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### DATA PROCESSING BRANCH **USAFETAC** Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

WILLIAMS AFB ARIZONA/CHANDLER N 33 18 W 111 40 FLD ELEV 1385 FT WBAN# 23104

POR FROM HOURLY OBS: MAR 42-FEB 46, APR 46-DEC 74
NAR 42-FEB 46, APR 46-DEC 74

JUL 16 1975

FEDERAL BUILDING ASHEVILLE, N. C.

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This technical report has been reviewed and is approved for publication.

MICHAEL W. PRESTON SMSgt, USAF USAFETAC Reviewer

FOR THE COMMANDER

WALTER S. BURGMANN

Scientific & Technical Information Officer

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DDC PROCESSING DATA

PHOTOGRAPH

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REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER 2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
USAFETAC/DS-79/017 / 52	
A. TITLE (and Subtille)	5 TYPE OF REPORT & PENIOD COVERED
Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Williams AFB	Final rept. 7
Chandler, Arizona	6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(a)	8. CONTRACT OF GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS	PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
USAFETAC/OL-A Air Force Environmental Technical Appl. Center	
Scott AFB IL 62225 II CONTROLLING OFFICE NAME AND ADDRESS	12 REPORT DATE.
USAFETAC/CBD	· · · · · · · · · · · · · · · · · · ·
Air Weather Service (MAC)	16 Jul 75 //
Scott AFB IL 62225	/497 p. /2
14 MONITORING AGENCY NAME & ADDRESS(II dilleres . srom Controlling Office)	15. SECURITY CLASS. (of this report)
	UNCLASSIFIED
	15. DECLASSIFICATION/DOWNGRADING SCHEDULE
16 DISTRIBUTION STATEMENT (at this Report)	
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from	n Report)
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19 KEY WORDS (Continue on reverse side II necessary and identity by block number) *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil	eme surface winds
19 KEY WORDS (Continue on reverse side II necessary and identity by block number) *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil Relative humidity *Climatological data	eme surface winds hrometric summary
19 KEY WORDS (Continue on severac side II necessary and identity by block number) *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil Relative humidity *Climatological data  20 ABSTRACT (Continue on severae side II necessary and Identity by block number)	eme surface winds hrometric summary ing versus visibility (over)
19 KEY WORDS (Gontinue on reverse side II necessary and identity by block number) *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil Relative humidity *Climatological data  20 ABSTRACT (Continue on reverse side II necessary and identity by block number) This report is a six-part statistical summary of sur	eme surface winds hrometric summary ing versus visibility (over)
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19 KEY WORDS (Gontlinus on reverse side II necessary and identity by block number)  *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil Relative humidity *Climatological data  20 ABSTRACT (Continue on reverse side II necessary and identity by block number) This report is a six-part statistical summary of sur Williams AFB, Chandler, Arizona It contains the following parts: (A) Weather Conditi (B) Precipitation, Snowfall and Snow Depth (daily am (C) Surface winds; (D) Ceiling Versus Visibility: Sk	eme surface winds hrometric summary ing versus visibility     (over) face weather observations for ons; Atmospheric Phenomena; ounts and extreme values); v Cover: (E) Psychrometric
19 KEY WORDS (Gontlinus on reverse side II necessary and identity by block number)  *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil Relative humidity *Climatological data  20 ABSTRACT (Continue on reverse side II necessary and identity by block number) This report is a six-part statistical summary of sur Williams AFB, Chandler, Arizona It contains the following parts: (A) Weather Conditi (B) Precipitation, Snowfall and Snow Depth (daily am (C) Surface winds; (D) Ceiling Versus Visibility; Sk Summaries (daily maximum and minimum temperatures, e	eme surface winds hrometric summary ing versus visibility
19 KEY WORDS (Gontlinus on reverse side II necessary and identity by block number)  *RUSSWO Daily temperature Atmo Snowfall Extreme snow depth Extr Climatology Sea-level pressure Psyc Surface Winds Extreme temperature Ceil Relative humidity *Climatological data  20 ABSTRACT (Continue on reverse side II necessary and identity by block number) This report is a six-part statistical summary of sur Williams AFB, Chandler, Arizona It contains the following parts: (A) Weather Conditi (B) Precipitation, Snowfall and Snow Depth (daily am (C) Surface winds; (D) Ceiling Versus Visibility: Sk	eme surface winds hrometric summary ing versus visibility     (over)  face weather observations for ons; Atmospheric Phenomena; ounts and extreme values); y Cover; (E) Psychrometric xtreme maximum and minimum erature depression versus

19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

\* Arizona

\* Williams AFB AZ

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".O", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

#### **DAILY OBSERVATIONS**

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### **DESCRIPTION OF SUMMARIES**

Preceding each section is a brief description of the lata comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV .

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

#### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY	APRIL	JULY	OCTOBER
FEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

1

S74-29958

STATION NO	DN SUMMARY	STATION NAME		LATITU	DE JL	ONGITUDE	FIELD ELEV (	FFI	CALL SIGI	Ú	WMO NUMBER
2310	04	WILLIAMS AFB ARIZONA/CHA	NULER	N3	3 18	W111 40	1385		ксн	D	-
	-	STATION LOCATIO	IA NO	ND IN	STRU	MENT	ATION	HI	STC	RY	
UNBER		CERCRASHIPAL LIREATION & NAME	TYPE	AT THIS LO	CATION	LATITUDE	LONGITUDE	EL		ABOVE MSL	OBS PER
MOITAGO		GEOGRAPHICAL LOCATION & MANE	STATION	FROM	TO	EMITOR		FIELD	(FT)	HT. BARQ.	DAY
1. 2. 3. 4. 5. 6. 7. 9.	Same	s Field, Chandler Arizona s AFB Arizona	Same AFB Same Same Same Same Same	Mar42 Oct44 Apr53 Apr54 Mar59 Jan61 May63 Oct65 Jan71	Sept44 Apr53 Apr54 Mar59 Dec60 Apr63 Sept65 Dec70 Dec74	N33 18 Same Same Same Same Same Same Same Same	Wlll 40 Same Same Same Same Same Same	13 13 13 13 Sa Sa Sa	38 60 72 85 me me	1351 Same ame Same Same Same Same	24 24 24 24 14 to 17 24 12 to 18 15 to 18
NUMBER	DATE	SURFACE WIND	EQUIPMENT I	RFORMATION			J				
LOCATION	OF CHANGE	LOCATION		TYPE OF TRANSMITTE	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS, AD	CITIONA	L EQUIPM	ENT, OR REA	ISON FOR CHANGE
1.	Mar42	Located on Operations Bui	lding A	remomete	r ML-14	4 35ft					
2.	Jul45	SAME		Selsyn	Same	25ft					
3.	Sept48	Not Available		Ѕал.е	Same	N/A					
4.	Apr53	Located in Weather Statio	n	Same	ML-14	47.5ft					
5.	%pr56	Located on top of Hase Op	erations	s Selsy	r. ML-14.	48 65ft					
6.	Apr57	Located on top of Weather	Station	Same	Same	40ft					

CONTINUED ON REVERSE SIDE

PACYICUS EDITIONS OF THIS FORM AND OBSOLETE.

FORM 0-19 (OL A)

HOMBER OF	DATE OF	SURFACE WIND COULDNESS INF	ORMATION	A charles	12 12 July 1	• • •
LOCATION	CHYNCE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT, ABOVE CROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
7.	Apr59	SAME	Same	Same	35ft	7
8.	Jan61	Located 750ft NF from knwy NW-SE and 400ft NW from knwy NF-SW	AN/GMQ-1	1 RO-2	13ft	• .
9.	Apr62	Located on SE end of NW-SE inwy	Same	Same	9 <b>f</b> t	to the contract of the contrac
10.	Apr63	Located between the Hnwys at 1/2 way point	Same	Same	'8ft	
11.	Apr64	SAME	Same	Same	13ft	•
12.	Nov66	Located 1/2 way between Rnwgs 30L and 30H approx 1/2 way down length of Rnwys 100 yds. to left of GCA	Same	Same	Same	:
13.	Jan7l	Located 2000ft NF of ROS between Rnkys 12C & 12R	AN/GMQ-20	RO-362	Same	
14.	Jan72	Located 750ft SW of centerline, 40,01t from end of knwy 120	Same	Same	Same	
15.	Dec74	Same	Same	Same	Same	
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#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are lielow:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jam 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

#### **WEATHER CONDITIONS**

23104

WILLIAMS AFB ARIZONA/CHANGLER

42-74

ALL

STATION

STATION NAME

YEAR

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAiv	ALL	.0	3.6				3.6	8.	.3		.1	1.2	19958
FE8		.0	2.8			•0	2.8	•5	•1		.3	.6	17688
MAR		.1	2.5			•0	2.5	•1	•1		.4	.6	20125
APR		•1	1.2				1.2	•0	•1		.6	.7	20173
МАЧ		.1	.4			•0	•4		•1		.2	.3	21139
NUL		.3	.4				.4		•1	.0	•2	.3	20543
JUL		1.4	2.0				2.0	•0	•1		.8	•9	21021
AUG		1.5	2.3				2.3	.1	.1		.7	.9	21506
SEP		.6	1.3				1.3	•1	•0		.3	.4	20382
OCT		.4	2.0			•0	2.0	.1	.1		,3	.5	20904
VOV		.1	1.8				1.8	.4	.5		•2	1.0	19930
DEC		•1	2.7		•0	•0	2.7	•6	•6		•1	1.2	19988
TOTALS		.4	1.9		•0	•0	1.9	•2	•2	•0	.4	.7	243357

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#### **WEATHER CONDITIONS**

23104

WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN

STATION

STATION NAME

YEAR

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (LS.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% GF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAL	00-02		4.6				4.6	•6	•2		.3	1.1	1888
	03-05		4.6				4.6	. 8	•1		•1	1.1	2174
	06-08		4.1				4.1	1.4	•2		.1	1.7	2708
	39-11	.0	3.5				3.5	1.3	.6		.1	1.9	2874
	12-14	•1	3.5				3.5	1.0	•5		•1	1.5	2884
	15-17	.1	2.7				2.7	•6	.4			1.0	2799
	18-20	•0	2.7				2.7	.4	.4		.0	8	2529
	21-23		3,1				3.1	.5	•1		.1	.8	2102
rotals		.0	3.6				3.6	.8	•3		,1	1.2	19958

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#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZONA/CHANDLER

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STATION

STATION NAME

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		2.6				2.6				.3	•3	1660
<del></del>	03-05		3.0				3.0	• 2			.2	.3	1922
	06-08		2.1				2.1	.4	•2		•0	.7	2405
	09-11	.0	2.1				2.1	• 2	.3		.3	.8	2563
	12-14	.1	3.4			• 1	3.4	•2	•4		• 5	1.2	2578
	15-17	•1	3.8			•0	3.9	•1	•2		.4	.9	2499
	18-20	.1	2.7				2.7	•0			.2	.3	2239
	21-23		2.5				2.5	• 1			.1	•2	1822
											-		
TOTALS		•0	2.8			•0	2.8	•2	•1		.3	.6	17688

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#### **WEATHER CONDITIONS**

23104

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WILLIAMS AFB ARIZUNA/CHANDLER

42-45,47-74

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.1	2.5				2,5	•1			.3	.4	1863
	03-05		2.4				2.4	•2			. 1	.3	2163
	06-08		2.7				2.7	•2	.4		,2	.8	2715
	09-11		2.3			•0	2.4	•1	•2		,5	•9	2914
	12-14	•1	2.6				2.6	•0	•1		.7	8.	2927
	15-17	•1	2.6				2.6				•9	.9	2843
	18-20	•2	2.7				2.7				.5	.5	2549
	21-23		2.4				2.4		•0		•2	.2	2151
		<u> </u>											
TOTALS		•1	2.5			•0	2.5	•1	.1		.4	.6	20125

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#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

APR

STATION

STATION NAME

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WLATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OE: WITH OBSI TO VISION	TOTAL NO, OF OBS.
APR	00-05	•2	1.4				1,4						1899
	03-05		1.1				1.1		•0		•2	•2	2184
	06-08	.1	1.4				1.4	•0	•3		.2	.5	2714
	09-11	.0	1.5				1.5	•0	•3		.4	.7	2892
	12-14	.1	1.2				1.2	٠٥	•2		1.1	1.3	2905
<del></del>	15-17	• 1	1.1				1.1		•1		1.5	1.5	2816
	18-20	.2	1.0				1.0		.1		1.0	1.0	2576
	21-23	.3	1.2				1.2				.1	.1	2187
						<del></del>							
TOTALS		•1	1.2				1.2	•0	.1		.6	.7	20173

#### **WEATHER CONDITIONS**

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

MAY

STATION

STATION NAME

FATHER

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTALS		.1	•4			•0	,4		.1		•2	.3	21139
											) 		
	21-23	•2	.8				.8				•2	•2	2360
	13-20	•2	.4				.4				.4	.4	2679
	15-17	•2	.4			•0	.4		•1		•7	.8	2903
	12-14	.1	.4				.4		•2		.3	•6	2990
	09-11	•0	•2				•2		•2		.2	.4	2987
	06-08	.0	.4				.4		.2			.2	2819
	03-05	•0	•3				.3						2325
MAY	00-02	•0	.4				.4						2076
MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.

USAFETAC TORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### **WEATHER CONDITIONS**

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

NUL

STATION

STATION NAME

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.2	•5				• 5						2017
	03-05		•2				•2		•1		•0	.1	2252
	06-08	.1	•2				•2		•2		.1	.3	2722
	09-11	•2	.4				.4		•1		.2	.4	2887
	12-14	.3	.3				.3		•1		•2	.3	2885
	15-17	.4	.6				.6			•0	.6	.7	2804
	18-20	.4	• 8				.8		•0		.5	.6	2599
	21-23	.4	• 5				•5		•0		.1	•2	2377
						<del></del>							
TOTALS		.3	•4				.4	<del></del>	•1	.0	.2	.3	20543

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### **WEATHER CONDITIONS**

23104

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	2.3	3.2				3.2		.1		•6	• 7	2079
	03-05	.7	2.0				2.0		.3		.1	.4	2308
·	80-60	.3	1.4				1.4	•1	<b>.</b> 3		.1	• 5	2790
	09-11	.1	.7				.7		•0		•1	•1	2942
	12-14	•3	•7				.7				•1	•1	2952
	15-17	1.1	1.2				1.2				.6	•6	2854
	18-20	2.8	2.7				2.7		•0		2.8	2.9	2673
	21-23	3.5	4.4				4.4		•0		1.9	1.9	2423
TOTALS		1.4	2.0				2.0	•0	•1		.8	•9	21021

#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZONA/CHANDLER

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтисм	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	2.3	3.0				3.0	.0	.2		.2	.4	2068
	03-05	1.2	2.4				2.4		• 1		.2	•3	2336
	06-08	•7	2.3				2.3	•1	•2		. 1	• 5	2879
	09-11	.1	1.0				1.0	•2	•2			.3	3045
_	12-14	•4	.8				.8		•1		•1	•1	3032
	15-17	1.0	1.2				1.2		•0		.9	1.0	2939
	18-20	3.1	2.7				2.7	• 1			2.8	2.9	2769
	21-23	3.2	4.6				4,6	•2			1.3	1.5	2438
											_		
TOTALS		1.5	2.3				2.3	•1	•1		.7	.9	21506

USAFETAC  $_{\rm JULY~64}^{\rm FORM}$  0-10-5(QL A), previous editions of this form are obsolete

#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	PAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	• 5	1.4				1.4				.1	.1	1973
	03-05	.3	1.0				1.0	•1				•1	2225
	06-08	.3	1.3				1.3	.3	•0			.3	2708
	09-11	•3	1.0				1.0	•0	•0		,1	•2	2892
	12-14	.4	1.2				1.2	•0	•1		•2	.3	2902
	15-17	1.2	1.5				1.5		•1		1.0	1.1	2811
	18-20	.9	1.6				1.6		.0		• 8	.8	2609
	21-23	.8	1.3				1.3				.4	•4	2262
TOTALS	]	•6	1.3	] ]	1		1.3	•1	•0		.3	.4	20382

#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
ОСТ	00-02	.4	2.4			.1	2.4	. 1				.1	1962
	03-05	•4	2.6				2.6	·					2254
	06-08	.1	2.5				2.5	• 4			.1	.5	2819
	09-11	.1	2.4				2.4	.4	•3		.4	1.0	3013
	12-14	.1	1.3				1.3	• 1	.1		.7	.9	3012
	15-17	.7	1.8				1.8	• 1			•5	.6	2921
	18-20	.8	1.6				1.6				.5	.5	2661
	21-23	•3	1.5				1.5				.0	.0	2262
											. <u></u>		
TOTALS		.4	2.0			•0	2.0	•1	.1		.3	.5	20904

USAFETAC  $_{\rm RAY\,64}^{\rm FORM}$  0-10-5(QL, A), previous editions of the form are obsolete

#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZONA/CHANDLER

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	•1	1.6				1.6	•3	•1		•2	• 5	1889
	03-05		1.5				1.5	• 5				• 5	2168
	06-08	•1	1.9				1.9	•7	•4		•0	1.1	2698
	09-11	•1	1.8				1.8	•6	1.0		.1	1.7	2864
	12-14	•0	2.0				2.0	•2	1.3		.3	1.8	2885
	15-17	•1	1.9				1.9	•2	•6		.4	1.2	2793
	18-20	•2	1.8				1.8		•2		.1	.4	2516
	21-23		1.6				1.6	.3	•1		.1	.6	2117
TOTALS		.1	1.8				1.8	•4	,5		.2	1.0	19930

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#### **WEATHER CONDITIONS**

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WILLIAMS AFB ARIZUNA/CHANDLER

42-74

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

RAIN AND/OR DRIZZLE SNOW AND/OR % OF OBS WITH PRECIP. SMOKE AND/OR HAZE DUST AND/OR % OF OBS WITH OBST TO VISION TOTAL NO. OF OB\$. FREEZING HOURS (L S T.) THUNDER-BLOWING SNOW MONTH RAIN & /OR DRIZZLE HAIL FOG SLEET SAND • 5 • 1 DEC 00-02 1.4 1952 .1 1.4 •6 03-05 2.3 2.3 •0 •6 2174 .6 06-08 .1 3.3 .0 •0 3.3 1.3 .4 .0 1.7 2695 09-11 •9 1.0 .0 3.3 .0 3.3 .1 2.0 2926 . 2 . 1 3.1 3.1 • 4 1.7 2931 12-14 1.2 15-17 . 1 3.8 3.8 . 1 1.0 .1 1.2 2812 •9 18-20 2.5 2.5 .0 1.1 2407 . 1 .0 . 2 2091 21-23 .0 1.6 1.6 .4 .4 . 8 TOTALS 2.7 1.2 19988 .0 2.7 .1 . 1 .0 .6 .6

USAFETAC  $_{RRY.04}^{FOOM}$  0-10-5(QL A), regyous editions of this form are obsolete

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART C

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#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate properties tage frequency tabulations: Derived from hourly observations, these tabulations are a percentage for or wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort plausifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	ALL
STATION	STATION MAME	YEARS	KTHON
	ALL W	ALL	
		CLASS	HOURS (L.S.T.)
		MOLTION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	2* - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	8.	•6	.3	•1	•0	•0	.0					1.9	5.1
NNE	.5	•4	• 3	•1	•0	•0	•0					1.2	5.9
NE	.7	• 6	• 3	• 1	•0	•0	•0					1.7	5.7
ENE	.8	.8	•4	•1	•0	•0	•0					2.2	5.1
E	2.4	3.2	1.5	• 3	•1	•0	•0	•0		•0		7.5	5.3
Et :	2.7	4.3	2.8	• 5	•1	•0	•0	•0				10.4	5.7
\$:	2.7	4.2	3.3	•5	•1	•0	•0	•0				10.8	5.9
SSE	1.2	1.5	1.1	•2	•0	•0	•0	•0	• 0			4.1	5.7
S	1.1	1.1	.7	• 2	•	•0	•		•0			3.2	5.7
SSW	.7	• 8	. 8	• 3	•1	•	•0		•0			2.7	6.8
SW	1,0	1.2	1.1	- 4	• 1	•0						3.9	6.4
WSW	• 9	1.4	1.1	.3	• 1	•0	•0					3.8	6.4
W	1.7	3.0	2.2	5	• 1	•0						7.5	6.1
WNW	1.4	2.3	2.1	.4	•0	•0	•0					6.2	6.2
NW	1.5	1.9	1.5	ه 2	•0	•0	•0					5.1	5.7
NNW	.8	1.0	.6	•1	.0	•0	•0					2.5	5.2
VARBL													
CALM		$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	25.3	
	21.0	28.4	19.9	4.5	.7	•2	•0	•0	•0	•0		100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 243346

USAFETAC FORM 0-8-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	43-74 YEARS	FEB BOATH
	ALL	WEATHER CLASS	ALL HOURS (L.S.T.)
		CANADIA	

SPEED (KNTS) D'R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.7	•6	•4	• 2	.0	•0						1.8	5.5
NNE	.5	• 5	. 2	• 2	.0							1.4	5.7
NE	. 8	•7	.4	•2	.0							2.0	5.6
ENE	1.2	1.0	.4	•1								2.6	4.5
E	3.0	3.9	1.5	• 3	.1	•0	•0					8.9	5.2
ESE	4.0	4.9	2.8	.3	•0	•0						12.0	5.2
SE	. 3.2	3.8	2.3	• 3	•0							9.7	5.2
SSE	1.4	1.2	,6	•1	•0							3.3	4.9
5	1.1	.9	• 5	• 2	•0	•0						2.7	5.4
_ssw_	. 8	8	. 8	.3	•0	•0						2.6	6.4
SW	1.0	• 9		. 3	. 1	•0						3.0	6.2
WSW	• 9	1.0	•7	.3	•1	•0						2.9	6.0
w	1.9	2,5	1.2	•6	.1	•0						6.3	5.7
WNW	1.6	1.8	1.0	. 3	.1	•0	•0					4.8	5.8
. NW	1.2	1.2	.7	•2	.1	•0	.0					3.4	5.5
NNW	.7	.7	•3	.1	•0	•0						1.9	5.2
VARBL													
CALM		$\geq$	$\geq <$	$\geq <$	$\times$	> <	$\geq$	$\geq <$	$\boxtimes$		><	30.6	
	24.0	26.3	14.4	3.9	.7	.1	.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 17688

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (QL A) Previous editions of this form are obsolete

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

#### SURFACE WINDS

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-45,47-74 YEARS	MAR
	ALL WE	ATHER	ALL
	, ci	ASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.8	.4	.1	•0	•0	•0					2.7	4.8
NNE	.6	. 3	• 4	•2	•0							1.4	5.9
NE	1.0	•6	• 4	•1	•0							2.1	4.7
ENE .	.7	.7	. 3	•0		•0						1.8	4.7
E	2.5	3.5	1.2	•2	•0							7.5	4.9
ESE	2.5	4.6	2.4	•2	•0	•0						9.8	5.4
SE	2.7	4.4	3.l	• 4	.1	•0						10.6	5.7
SSE	1.1	1.4	. 9	•2	.0	•0						3.6	5.6
5	1.3	1.2	. 8	.3	• 1	•						3.8	6.1
ssw	.8	• 9	•9	•	• 1	•0						3.2	7.3
sw	1.4	1.5	1.5	• 5	• 1	•0						5.0	6.6
WSW	.9	1.5	1.3	• 5	• 1	•0	•0					4.3	6.9
W	1.8	2.8	2.4	.7	• 2	• )						8.1	6.7
WNW	1.2	2.1	1.7	.3	.1	•0				<u> </u>		5.4	6.3
NW	1.7	1.8	1.0	• 2	.1	•0						4.8	5.3
NNW	. 8	1.0	• 5	• 1			•0					2.4	5.2
VARBL													
CALM	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$		23.5	
	22.3	29.2	19.1	4.7	1.0	• 2	•0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 20124

USAFETAC  $_{
m JU-64}^{
m FORM}$  0-8-5 (QL A) previous editions of this form are obsolete

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

231.04 STATION	WILLIAMS AFB ARIZONA/CHANDLER STATION MANE	42-74 YEARS	APR
		EATHER	ALL HOURE (L.S.T.)
		ORDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 8	. 8	•4	• 1	.0							2.1	4.8
NNE	• 4	.3	•2	• 1	•0	•0						1.1	5.7
NE	.5	• 4	• 3	• 1	•0	•0						1.3	5.9
ENE	• 5	.7	• 3	.1	•0							1.6	5.4
E	1.6	2.5	1.4	• 2	•0							5.7	5.3
ESE	2.0	3.7	26	3	•							8.7	5.7
SE	2.7	4.9	3.9	•6	•0	•0	•0					12.0	6.0
SSE	1.2	1.6	1.1	• 2	•0	•0			.0			4.1	5.6
S	1.1	1.2	1.0	.4	•1	•0			1			3.7	6.3
ssw	.7	1.3	1.4	•6	• 2	•0	•0					4.1	7.6
sw	1.1	1.7	2.1	.8	• 2	•1						6.0	7.6
WSW	.9	1.8	2.2	.9	• 2	•0						5.9	7,7
w	1.4	2.9	3.4	1.1	•2	•0						9.1	7.3
WNW	1.1	2.5	2.6	•6	• 1	•0	•0					7.0	6.8
NW	1.3	2.3	1.7	.3	• 1	•0	•0					5.7	6.1
NNW	1.1	1.3	•6	.1	•0	•0						3.1	5.1
VARSL													
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	18.8	
	18.3	29.9	25.2	6.5	1.0	.2	.0		.0			100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 27.1

USAFETAC  $_{
m NL~64}^{
m FORM}$  0-8-5 (OL A) previous editions of this form are obsolete

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74	YAit
STATION	STATION NAME	YEARS	MONTH
	ALL in	<b>VEATHER</b>	ALL
		CLASS	HOURS (L.S.T.)
		u	
		MOITIGME	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
7	8.	.7	.3	• 1	.0							1.8	4.6
NNE	.3	.3	• 1	• 1	• 0							8.	5.9
NE	.4	• 3	• 1	• 1								• 9	4.9
ENE	•4	• 4	•3	•1		•0						1.2	5.5
E	1.6	2.5	1.5	•3	.0							5.8	5.6
ESE	1.8	3.7	3.3	• 5	.0							9.4	6.1
\$E	2.1	4.2	4.2	.4	•0	•0						11.0	6.2
SSE	1.2	1.7	1.2	•2	•0							4.2	5.6
5	1.1	1.5	1.0	.3	•0	•0	•0					4.0	5.8
SSW	.8	1.3	1.4	•6	•1	•0			•0	<u> </u>		4.1	7.4
SW	1.2	2.0	2.4	•9	• 1	•0						6.6	7.3
WSW	.8	1.9	2.2	1.0	•1	• 0						6.0	7.5
W	1.4	3.2	3.4	• 9	•1	•0						8.0	7.0
WNW	1.2	2.7	2.6	.6	•0	•0						7.1	6.6
NW	1.5	2.4	2.2	• 2	.0							6.3	5.9
NNW	1.0	1.4	.8	• 2	•0							3.4	5.5
VARBL													
CALM		$\times$		$\geq$	$\times$	$\ge$	$\geq$	$\geq$		$\geq$		18.3	
	17.5	30,1	27.1	6.3	.7	.1	•0		•0			100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

21137

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER STATION MARKE	42-74 YEARS	NUL
	ALL WEZ	ATHER	ALL HOURS (L.S.T.)
		-	NOVED (LS.).
	CONDI	TION	

SPEED (KÑTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6	.3	, ]	.0		_					1.7	5.0
NNE	. 3	. 3	.2	•0	.0							.7	5.5
NE	• 2	• 2	• 1	• 1	.0							• 7	5.6
ENE	. 5	.6	• 2	•0	•0	•0						1.3	4.8
	1.4	2.5	1.3	•2	•0	•0	• 0					5.4	5.5
ESE	1.6	3.9	3.1	•4	•0	•0						9.1	6.1
SE	1.8	3.9	3.9	.6	.0	• 0						10.3	6.3
SSE	1.1	1.7	1.3	• 2	•0	•0						4.3	5.8
5	• 9	1.3	• 9	.3	. 1	•0						3.5	6.3
ssw	. 7	1.0	1.3	.6	.2	•0						3.8	7.8
SW	.9	1.6	1.9	• 9	.2	•0						5.5	7.6
WSW	• 8	1.9	1.9	. 0	.1	•0						5.4	7.2
w	1.3	3.4	3.8	.7	•0	•0						9.2	6.9
WNW	1.0	3.0	3.6	. 8	3							8.5	7.0
NW	1.4	2.9	2.7	.4	.0							7.5	6.3
NNW	1.0	1.6	1.1	• 1	•0							3.9	5.5
VARBL													
CALM	$\geq$	><	><	><	$\times$	><	><	$\geq <$	$\geq <$			19.2	
	15.7	30.4	27.8	6.0	. 8	•1	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 20541

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WILLIAMS AFB ARIZUNA/CHANDLER

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#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_				ALL WE			<u></u>					ALL
					·	LASS						HOUR	8 (L.S.T.)
	_					DITION							
					CON	DITION							
	-												
SPEED	1	<u> </u>	I	T T	T			<del></del>		T T	T		MEA
(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	SPEE
N_	.6	.6	•5	•2	.0	•0	.0			1		1.9	6
NNE	.3	.3	• 3	•1	.0	•0	.0					1.1	6
HE	. 5	•5	•3	• 2	•0	•0	•0					1.5	6
ENE	.5	.5	•3	•1	•0	•0	•0					1.5	6
E	1.4	2.1	1.3	.3	.1	0	.0	.0				5.2	6
ESE	1.5	3.1	3.0	.8	.2	•0	•0	.0				8.6	6
SE	1.8	3.7	4.4	1.1	.2	•0	•0	•0				11.2	7
SSE	1.0	1.8	1.7	•4	.1	•0	•0			<del>                                     </del>	1	5.1	6
\$	1.0	1.4	•9	•2	.0	•0	.0		ĺ			3.5	5
SSW	. 5	.9	•5	• 2	•0	•0	•0					2.2	6
sw	.9	1.3	•9	•2	.1	•0						3.3	5
wsw	.8	1.8	1.2	•1	.0	•0						3.9	5
W	1.6	4.3	4.2	• 5	.0	- 0		<u> </u>				10.7	6
WNW	1.3	3.5		1.0	.0							10.5	7
NW	1.4	3.0	3.7	•6	.0		•0					8.8	6
NNW	.8	1.2	1.1	.2	•0	_ • 0						3.4	6
VARBL								T					
CALM		$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\boxtimes$	> <	$\geq$	$\geq$		17.7	
								,		T			

TOTAL NUMBER OF OBSERVATIONS

21018

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2 DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 23104 WILLIAMS AFB ARIZONA/CHANDLER ALL ALL WEATHER MEAN WIND SPEED (KNTS) 11 - 16 17 - 21 22 - 27 28 - 33 DIR. 5.8 N . 8 •0 •0 NHE 6.4 •5 6.3 5.9 • 5 • 3 NŁ •0 1.4 •0 • 3 EN: • 6 •0 1.6 2.5 • 3 1.4 5.8 1.6 •0 .0 • 0 5.9 •0 .5 ESI. 1.8 3.6 8.6 •0 • 0 .0 6.1 SE 2.1 4.7 4.0 .8 •0 •0 11.8 6.5 • 1 <u>.</u>5 6.2 1.5 2.3 1.7 6.1 •0 •0 •0 s 1.2 1.4 .8 • 0 •0 •0 1.0 ō 5.8 SSW 2.6 .0 5.5 . 8 1.5 3.6 SW 1.1 1.7 1.2 3.9 5.6 WSW .0 4.2 3.3 9.1 5.9 w 1.6 3.0 .0 1.4 8.2 6.2 WNW 3.2 • 3 • 0 •0 NW 1.6 2.8 5.7

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USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (QL A) previous editions of this form are obsolete

NNW

VARBL

. 8

5.6

4.7

21502

20.9

TOTAL NUMBER OF OBSERVATIONS

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#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZUNA/CHANDLER	42-74		SEP
STATION	STATION NAME		YEARS	MONTH
	ALL			
		CLASS		HOURS (L.S.T.)
	<del></del>	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	/ EAN WIND SPEED
N	.7	•6	• 4	•1	•0	•0	•0					1.8	5.5
NNE	.4	• 3	•2	•2	•0	•0	•0		<del>                                     </del>			1.1	7.0
NE	•6	•5	•4	• 2	•0	•0					<del>                                     </del>	1.8	6.1
ENE	.0	•8	•4	•1	•0						<del> </del>	2.1	5.1
E	2.3	3.2	1.7	•6	.1	•0					<del>                                     </del>	7.9	5.7
ESE	2.6	4.0	3.1	• 8	•2	•0	•0	.0			<del>                                     </del>	10.7	6.3
SE	2.9	4.9	4.0	.8	•1	•0	-			<b></b>	<del>                                     </del>	12.7	6.2
SSE	1.6	2.2	1.9	•4	•1	•0				<u> </u>	<del> </del>	6.2	6.1
S	1.2	1.3	•9	•2	•0	•0			.0			3.6	5.6
SSW	.7	•7	•6	۰2	• 1	•0	•0				<del>                                     </del>	2.3	6.4
sw	.9	1.2	• 8	•3	.1						T	3.2	6.0
WSW	.7	1.4	.9	•2	•0	•0					<del>  .</del>	3.2	5.7
w	1.7	3.4	1.9	•1	.0							7.1	5.4
WNW	1.3	2.3	2.0	•1	•0	•0						5.8	5.9
NW	1.5	2.1	1.3	.1								5.0	5.2
NNW	.8	1.1	•5	•0	.0						<del>                                     </del>	2.4	4.9
VARBL											<del>                                     </del>		
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	>	$\times$	$\times$	$\times$	>	>	> <	23.0	
	20.8	30.0	20.8	4.4	.8	•2	•0	.0	•0			100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

20380

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZUNA/CHANDLER	42-74		UCT
STATION	STATION NAME	YE	ARS	MONTH
	ALL		ALL	
		CLASS	<del></del>	NOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	•6	• 2	.1	•0	•0						1.6	4.7
NNE	.6	• 3	•1	.1	•0							1.1	4.7
NE	•6	•6	• 3	•1	•0							1.6	5.2
ENE	.9	1.1	•6	• 1	•0	•0						2.8	5,6
E	2.7	3.5	1.9	• 5	• 1	•0						8.7	5.5
ESE	3.0	4.7	3.4	•9	.1	•0						12.1	6.0
SE	3.5	4.7	3.3	•6	•1	•0						12.2	5.7
SSE	1.2	1.3	1.0	• 2	•0		•0					3.8	5.5
S	1.2	. 9	6	•1	•0	•0						2.9	5.0
ssw	.7	•6	• 5	.3	• 1	•0	•0					2.1	6.7
sw	.9	• 9	• 6	• 2	.0	•0						2.7	5.9
wsw	.9	1.0	•6	•1	•0	•0			i —			2.6	5.3
w	2.1	2.8	1.2	•2	•0	•0						6.3	5.1
WNW	1.5	2.0	1.2	•2	•0	•0						4.9	5.4
NW	1.5	1.3	•7	•1	•0							3.5	4.8
NNW	.7	.8	• 3	•0	.0							1.8	4.6
VARBL										·			
CALM	$\searrow$	X	$\times$	$\times$	$\mathbb{X}$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	29.3	
	22.8	27.1	16.3	3.8	.6	•1	•0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 20902

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER STATION NAME	42-74 YEAR	 MONTH
	ALL	WEATHER	 ALL
		CLASS	MOURS (L.S.T.)
		COMDITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 8	.6	• 2	•1	•0					<u> </u>		1.8	4.5
NNE	.6	•4	• 3	•2	•0							1.5	6.1
NE	.8	•8	• 5	•2	•0							2.3	5.6
ENE	1.2	1.2	•6	•2	•0			Γ				3.1	5.1
E	3.6	3.8	1.7	.5	.1	•0						9.6	5.2
ESE	4.1	4.9	2.3	•4	.1	•0						11.8	5.1
SE	3.6	3.6	2.2	.3	•0							9.6	5.0
SSE	1.2	1.2	•6	•2	•0	•0				l		3.2	4.9
\$	1.1	. 8	• 4	•1	•1	•0				Í		2.4	5.1
ssw	.6	•6	. 4	•2	•0	•0						1.9	6.1
SW	1.2	•8	• 5	• 1	•0							2.5	4.8
WSW	1.0	. 8	• 4	•1	•0						,	2.3	4.8
w	2.2	2.3	• 8	• 1:								5.4	4.5
WNW	1.6	1.6	.6	• 1	•0	•0						4.0	4.7
NW	1.5	1.2	•5	• 1	•0	•0						3.3	4.6
NNW	.9	•6	.4	• 1		•0						1.9	4.8
VARBL													
CALM	$\geq \leq$	><	><	$\times$	><	><	$\geq <$	$\geq \leq$	$\geq \leq$	><	><	33.3	
	26.0	25.1	12.3	2.8	.4	•1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 19928

USAFETAC  $_{
m JU-64}^{
m FORM}$  0-8-5 (QL. A) previous editions of this form are desolete

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANCLER	42-74 YEARS	DEC
		ATHER	ALL HOURS (L.S.T.)
	COS	IDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	• 5	•3	•1								1.6	4.4
NNE	• 5	.5	• 3	.1	.0							1.3	5.5
NE	1.0	.9	.6	• 2	•0							2.7	5.4
ENE	1.3	1.2	•5	•1	.0							3.2	4.8
E	3.8	4.1	1.5	• 2	.0	•0						9.7	4.6
ESE	3.8	5.3	2.5	• 3	•0	•0						11.9	5.1
SE	3.3	3.8	1.9	•2	•0	٠0						9.2	4.9
SSE	1.3	1.0	• 5	• 1	•0	•0		l				2.8	4.8
	.9	.7	.4	• 2	• 1	•0						2.3	5.5
S. /	.7	.6	.4	• 2	. 1	•0						1.9	5.8
SW	1.1	.7	•4	• 1	.0							2.2	4.5
V/SW	.9	. 8	.3	• 1	.0	•0						2.1	4.6
W	2.1	1.7	.7	.2	0	•0		L				4.7	4.7
WNW	1.5	1.3	.6	•1	•0	•0	.0					3.5	4.9
NW	1.3	.9	.4	• 1	.0							2.7	4.5
NNW	.7	• 5	.2	• 1								1.5	4.4
VARBL	1							<u> </u>					
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	36.7					
	24.9	24.4	11.2	2.3	,4	•1	.0					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 19954

USAFETAC  $_{
m AUL~64}^{
m FORM}$  0-8-5 (QL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	43-61,64-65,73 TEARS	JAN HORTH
		EATHER CLASS	0000-0200 HOURS (L.S.T.)
	- ca	ONDITION	

SPEED (KNTS) OIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.3	• 3	•1							<u> </u>	1.1	5.1
NNE	.4	• 2	• 2	.1								•8	4.6
NE	1.0	•4	•4	•2	•2							2.2	6.7
ENE	2.2	1.6	•4		.1							4.2	4.1
E	4.6	7,1	1.5	.1	•1							13.3	4.6
ESE	7.5	10.8	3.9	•2					i			22.5	4.7
SE	5.6	6.4	2.8	•3	• 1							15.1	4.8
SSE	1.1	1.2	.5	•2			i				<u> </u>	3.0	5.5
S	.8	.1		•1	•1			<u> </u>			i	1.1	4.2
SSW	.2	.1	•1	•1			<del></del>			<u> </u>	1	.4	6.3
SW	.6	•3	•4									1.3	4.9
WSW	• 3	•1	•2	•2							,	.7	7.2
w	.2	.3	•1	•1		•1						.7	6.8
WNW	.3	•1	•2	•2								.7	7.0
NW	.4	.3	•1	.1		•1						•9	5.6
NNW	.2	• 3	• 1									•5	4.5
VARBL		,									i		
CALM	$\searrow$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$		$\geq$		> <	31.6	
	25.7	29.6	11.0	1.6	.4	•1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1888

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER STATION RANE	43-74	YEARS	JAN
	ALL	WFATHER CLASS		0300-0500 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	,4	.7	.1							1		1.2	4.6
NNE	.4	3	•1									•8	4.2
NE	.9	8	• 5	.3	•0	•0	.0				1	2.7	6.7
ENE	2.0	1.8	• 3	.0							T	4.1	4.0
E	5.4	9.7	2.4				<u> </u>			<del> </del>		17.6	4.6
ESE	7.0	10.9	4.4	.3							1	22.5	4.9
SE	4.9	5.6	2.7	.2		•0			1		<u> </u>	13.5	4.8
SSE	1.0	.9	• 4	•2		i					1	2.4	5.0
5	1.1	• 5	• 1	.0			1				1	1.8	3.8
SSW	• 2	- •4	• 1	•1			i					.8	6.1
SW	.3	•6	•3						7		<b></b>	1.2	5.3
wsw	•2	.3	.3						1			.8	5.8
w	.3	•1	.2					<u> </u>	1			•6	4.6
WNW	•3	•1	• 2								<u> </u>	•6	5.5
NW	34	•2	.2								<u> </u>	•8	4.3
NNW	.1	• 2	.0						<del> </del>	<del> </del>		.4	4.6
VARBL											<del>                                     </del>		
CALM	$\times$	$\geq \leq$	$\geq$	M	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	28.2	
	25.0	33.0	12.3	1.2	.0	.1	) و					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2174

USAFETAC  $^{80RM}_{RL-64}$  0-8-5 (OL A) previous editions of this form are obsolete

CONDITION

DATA PROCESSING BRANCH

ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

SURFACE WINDS

SURFACE WINDS

SURFACE WINDS

ALL WILLIAMS AFB ARIZUNA/CHAFIDLER

ALL WILLIAMS AFB ARIZUNA/CHAFIDLER

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COMBITTION

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	•2	2	. 1	• 1	-							.6	5.9
NNE	•7	.4	• 3	•0								1.3	4.7
NE	1.1	.9	• 3	• 1	.1	•0		1				2.5	5.3
ENE	1.9	2.3	.7	•0								5.0	4.5
E	6.4	10.0	1.8	•0								18.3	4.3
ESE	7.7	10.6	4.1	•2								22.6	4.7
SE	5.5	4.9	2.5	• 1	•1		•0					13.1	4.9
SSE	1.4	.8	.4	•0								2.7	4.2
S	.9	.5	• 3	•1			i			T		1.7	4,5
SSW	• 3	•6	• 3	•1	•0	•0					<del>                                     </del>	1.3	5.1
SW	.4	•7	•2	•1								1.4	5.5
WSW	•2	•2	•2									•6	5.2
W	• 3	• 1	•2	•0			i	i — —		T	!	.6	5.2
WNW	.4	• 3	• 2									.9	4.3
NW	• 2	.1	•1	•1								•5	5.8
NKW	•3	•1	.1									• 6:	4.0
YARSL										1			
CALM	M	M	X	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	26.4	
	27.9	32.6	11.8	1.0	•2	•1	.0					100.0	3.4

المحارب في الأمران التي الإسارة المحاربين المراجعين المحاربين المحاربين المحاربين المحاربين المحاربين المحاربي المحاربة المحاربين 
TOTAL NUMBER OF OBSERVATIONS 2708

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILL	IAMS AF	B ARIZ	UNA/CH	ANDLFR	<u> </u>	43-	74	<del></del>	TEARS				AN
		-			<del></del>	ALL WE	ATHER	<del></del>			<del></del>		0900	~1100
		_		ه سندرست		cok	DITION							
	SPEED (KNTS) DIR.	1 - 3	1.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	.7	. 2	.2			.0						1.1	4.6
	N: *	• • •	. 2	. 3	• 3								1.4	6.6
	11:	1.2	.5	. 3		•2	•1						2.9	7.2
	ENL	1.2	.7	•6	•1								2.6	4.9
	E	4.0	2.6	1.1	•1	•1							7.9	4.3
	`SE	3.8	4.3	1.9	.3	.1							10.4	5.C
	JE	4.3	5.1	3.1	.7	•0							13.3	5.4
	SSE	2,1	1.5	• 5	-1								4.2	4.4
	\$	2.1	1.1	• 3	•1								3.5	4.0
	ssw	1.0	• 3	.7	• 3		•0						2.8	5.9
	sw	1.6	,9	•7	. 3								3.4	5.1
	WSW	1.1	.7	.4	•1	.0							2.4	5.0
	W	1.3	• 9	• 3	.1						L		2.6	4.3
	WNW	1.1	.6	•1	•1								2.0	4.4
	NW	.6	.2	.2	•1							L	1.2	5,3
	NNW	. 3	.3	.1		L					<u>L</u>		.7	4.0
	VARBL													
	CALM	$\geq$	$\geq \leq$	$\geq \leq$		$\geq \leq$		$\geq \leq$			$\geq \leq$		37.5	
	ı	11		i	I	I .	1	I	i	1	ı	1		

USAFETAC  $_{
m DL~64}^{
m FORM}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFF ARIZUNA/CHANDLER	43-74 YEAR	NAU.
	ALL W	EATHER	1200-1400 HOURS (L.S.T.)
	co	NDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 56	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	1.1	.7	• 5	• 3							·	2.6	5,3
NNE	•9	1.0	• 3	• 3	•1							2.7	6.1
NE	1.1	.8	•7	• 2		•0					··	2.8	5.8
ENE	.8	•6	•5	•4	٠0			T				2.3	6.4
	1.2	1.1	1.0	.7	•2	•0						4.2	7.1
ESE	.9	• 9	•6	•4		•0					i	2.8	6.4
SE	1.4	1.5	1	• 3	•0							4.2	5.7
SSE	1.2	1.0	~ ú	•1								3.1	5.0
5	9	1.0	. 4	•1								2.9	5.6
SSW	1.2	1.2	•6	.3								3.3	5.3
sw	2.3	1.3	• 8	• 3	•1							4.8	5.0
WSW	2.7	1.7	1.1	• 3	•0							5.9	5.0
w	3.9	3.1	1.3	.5								8.8	4.8
WNW	2.6	2.3	.9	• 3	• 1	•0						6.2	5.1
NW	2.4	1.4	.7	•2	•0					1		4.7	4.7
NNW	1.0	• 7	. 6	.1		•0						2.4	5.3
VARBL													
CALM	$\geq \leq$	> <	><	><	><	$\mathbb{X}$	$\times$		$\geq$			36.3	
	25.6	20.1	12.4	4.8	• 6	• 2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 2884

USAFETAC  $_{
m JU,~64}^{
m FORM}$  0-8-5 (OL A) previous editions of this form ape obsolete

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	43-74 YEARS	JAN
		ATHER	1500-1700 HOURS (L.S.T.)
	CAN	DIVINA	

SPEED (KNTS) DIR.	1 - 5	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.0	• 8	.4					1			3.3	5.7
NNE	• 9	. 5	• ၁	.3	• 0							2.4	6.0
NE	• 9	.9	• 4	.4	• l							2.6	6.2
ENE	.4	6	• 4	. 3								1.6	6.5
E	. 9	1.0	1.4	.4								3.7	6.6
ESE	.7	.7	• 9	. 4	1_		-	l				2 • 8	7.2
SE	. 8	1.0	.7	.3								2.8	5.7
SSE	.4	.6	. 3									1.3	5.0
S	. 8	.7	•6	<b>.</b> ].					f			2.2	5.4
ssw	1.0	. 5	• 5	. 3	• 1							2.4	6.1
sw	1.4	1.2	.6	•2	•0							3.4	5.3
wsw	2.5	2.1	.7	•2					l			5.5	4.6
w	5.6	5.4	2.3	.7	٠,0				Ĭ			14.1	5.0
WNW	3.6	4.4	1.6	•7	• 1					)		10.5	5.2
NW	3.3	2,5	• 9	• 5								7.2	4.7
NNW	1.5	1.3	• 6	• 1				]				3.5	4.7
VARBL							l						
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$		30.6	
	25.9	24.5	13.3	5.1	.5							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 27

USAFETAC FORM  $_{JUL\ 64}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER 43-74  STATION RAPE  YEARS	JAN
	ALL WEATHER	1800-2000 HOURS (L.S.T.)
	CONDITION	

SPEED (KHTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.1	1.4	.5	•2								4.2	4.3
NNE	1.5	.7	• 2	• 2								2.6	4.4
NE	1.6	1.1	.8	• 2					T			3.7	5.0
ENE	2.1	2.1	•7	• 2								5.1	4.5
Ę	3,2	2.0	. 8	•1			1	1				6.1	4.2
ESZ	2.3	1.4	.6	• 2	٠٥							4.5	4.5
SE	1.3	.9	19	•1	•0				!	<u> </u>		3.3	5.2
SSE	.6	•6	•1						<del> </del>		i	1.3	3.9
5	.8	.5	•2	.0						<b>!</b>	·	1.5	4.5
SSW	. 3	,3	.4	•2		•0						1.7	6.4
SW	.8	.4	•4	•1	.0		 		<del> </del> -	<u> </u>	l	1.7	5.2
₩5'\	1.1	1.0	•4	•0	.0			<del> </del>		<del></del>	· .	2.6	4.6
w	2.8	2.1	•5	•2				<del> </del>	<del>                                     </del>			5.5	4.2
WNW	2.5	1.6	•4	•2				<del> </del> -				4.8	4.3
Wt	2.4	1.3	•3	• 1				<del> </del>	<del>                                     </del>	<del> </del>		4.1	3,8
WMII	1.2	.9	•2	•1				<del> </del>	<del> </del>		<b></b>	2.4	4.0
VARBL								<del> </del>	<del> </del>	<del> </del>	<del> </del>	1	
CALM		><	> <	> <	> <	><	>		$\supset <$	> <		45.0	
	27.2	18.2	7.3	2.1	, 2	٠0	F					100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER STATION NAME	43-74 YEARS	MAN MANNER
	ALL WI	EATHER CLASS	2100-2300 HOURS (L S.T.)
	COI	NOTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.3	• 1									1.0	3.9
NNE	.7	• 4	. 3					1				1.4	4.6
NE	1.0	1.5	1.0	• 2								3.7	5.7
ENE	2.1	2.0	• 5	,4	•0							5.1	5.0
E	6.5	5.7	1.0									13.1	3.9
ESE	6.5	6.3	1.4	.1	• 1							14.5	4.2
SE	5,2	4.4	1.2	.2								10.9	4.2
SSE	1,3	•7	• 2									2.1	3.7
5	1.0	. 3	.4	• 2				]				1.9	5.6
ssw	.4	. 3	.5	• 2	•0					-		1.5	7.5
sw	.4	.7	,4		• 0					i		1.6	5.7
WSW	.5	• 2	٠Û	.0	- 1							1.0	5.4
W	ا خوا	3	.0	.1								1.0	4.4
WNW	.6	• 4	,4	.1								1.5	5.4
NW	.4	.3	.3									1.0	5.1
NNW	• 4	• 0	• 1	.0								•6	4.5
VARBL													
CALM	$\geq \leq$	38.0											
L	28.1	24.0	7.9	1.7	.3	L						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 2102

USAFETAC  $_{JUI = 64}^{FORM}$  0-8-5 (OL A) previous editions of this form are obsolete

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLI	AMS AF	B ARIZ	ZONA/CH	<u>IANDLER</u>	2	43-	60,64 <del>-</del>		TRARS				PONTH
		_			<del></del>	ALL WE	ATHER							0-0200
		-				CON	IDITION							
Γ	SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 . 21	22 - 27	28 . 33	34 . 40	41 - 47	40 - 55	>56	*	MEAN

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	• 5	•2	1								1.1	5.6
NNE	. 3	. 3	• 1	• 1								• 7	4.9
NE	• 5	• 5	• 3	• 2	1							1.6	6.5
ENE	1.0	1.0	•4	.1								2.5	4.9
E	4.6	5,9	1.9	.2	. 1							12.7	4.8
ESE	8.3	9.6	4.9	•								22.8	4.8
SE	6.4	6.1	3.1	.4								16.0	4.8
SSE	1.7	. 9	. 8	•1								3.6	5.0
\$	. 5	.5	• 1	. 1				l				1.3	5.0
SSW	.7	• 5	.7	• 1								2.0	5.6
sw	. 5	, 4	• 5	.2								1.7	7.1
wsw	• 3	• 1	• 2									•6	5.0
W	.4	. 3	• 2	.3								1.2	6.9
WNW	. 8	- 2	• 4					L				1.4	4.6
NW	. 5	. 3	. 2									1.0	4.5
NNW	.5	• 2	.2							L		• 9	4.3
YARBL													
CALM	$\times$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	28.7	
	27.3	27.5	14.3	2.0	. 2							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $_{
m DL~64}^{
m FORM}$  0-8-5 (OL A) previous editions of this form are obsolete

2

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	43-74	FEB
STATION	STATION NAME	YEARS	HANDE
	ALL V	PEATHER	0300-0500
		CLASS	HOURS (L S.T.)
		ANAITIAN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Х	.6	3	• 3	•2								1.5	5.8
NNE	. 3	. 3	.1	•1								.7	4.8
NE	.7	• 4	• 5	•1	• 1							1.7	5.8
ENE	1.1	1.5	• 4	•1								3.0	4.7
E	6.0	8.3	3.1	• 2	.1							17.7	4.8
ESE	6.9	11.2	5.7	• 3								24.1	5.1
SE	4.7	6.0	3.2	.2								14.0	5.0
SSE	1.2	1.2	.4									2.8	4.3
S	.8	• 5	• 3	• 1								1.7	4.6
ssw	.5	5	• 5	• 1								1.5	5.6
sw	.4	.6	•2	• 2								1.4	5.5
WSW	. 3	. 4	•2									•9	4.8
W	4	3	• 4	• 3	• 1							1.4	7.5
WNW	• 2	.4	•2	• 1								• 8	5.6
NW	_ 3	• 4	•2								I	•8	4.9
NNW	3	•6	.4	• 1								1.4	5.5
VARBL													
CALM	$\times$	>>	$\times$	><	$\geq <$	><	$\geq$			$\geq <$		24.6	
	24.9	32.7	15,9	1.8	• 2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1922

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (QL. A) previous editions of this form are obsolete

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZCINA/CHANDLER	43-74 YEARS	FEB
•	ALL WI	EATHER	0600-0800 HOURS (L.S.T.)
	col	MDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 2	• 3	•2						1	<u> </u>		.7	5.1
NNE	.2	.5	•1	• 1	.1							1.0	6.4
NE	• 9	•4	.2	•1	.0							1.6	4.6
ENE	1.6	1.6	• 3	•0								3.6	4.1
ŧ	5.4	8.8	2.5	• 2		•0						17.0	4.8
ESE	6.8	10.5	5.5	.4	• 0	•0						23.2	5.2
SE	4.0	6.7	3.8	. 1								14.6	5.2
SSE	1.8	1.6	• 2									3.6	3.9
\$	1.0	.7	. 2	•0								2.0	4.0
ssw	-1	, 3	.4	• 1								1.0	7.1
sw	• 5	. 5	4	2ء								1.5	6.0
WSW	• 2	3	•3									• 9	5.2
w	.3	• 5	. 3	. 5								1.7	7.2
WNW		. 3	• 2	•0								•6	6.9
NW	.3	.2	• 1									• 5	3.9
NNW	.2	• 3	•1									•6	4.7
VARBL													
CALM		$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\boxtimes$	$\geq$		><	25.9	
	23.6	33.7	14.8	1.7	• 2	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	43-74	YEARS	FEB ONTH
	ALL	WEATHER CLASS		0900-1100 ROUSE (L.S.T.)
		CONDITION	· · · · · · · · · · · · · · · · · · ·	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	• 1	•4	• 3	•0							1.2	7.3
NNE	.3	.3	•2	•2								1.0	6.8
NE	• 5	.5	•4	• 3	•1			i				1.7	7.2
ENE	1.0	.4	.1	•2								1.8	4.5
E	1.8	1.8	1.3	•4	•1	•0	• 1					5.6	6.2
ESE	3.2	3.4	2.5	• 7						Ī		9.8	5.5
SE	4.6	6.2	4.8	. 8								16.3	5.7
SSE	2.4	2.3	1.6	• 2								6.5	5.0
\$	1.6	1.2	• 5	•3							Ī .	3.6	4.7
SSW	1.4	1.0	• 7	• 4	•1							3.6	5,9
sw	1.3	. 8	.8	• 3	.1							3.4	<b>5.9</b>
WSW	1.2	• 5	. 4	•2								2.4	4.8
W	1.2	1.2	.5	•4	.1							3.3	5.7
WNW	1.1	•6	• 3	•4								2.4	5.4
NW	.7	• 5	• 4	• 2	.1							1.8	6.1
NNW	• 4	. 2	• 2	•2		•0						1.0	6.9
VARSL													
CALM		><	><	><	><	><	><	$\supset <$		$\geq <$	><	34.7	
	23.0	21.1	15.1	5.3	.6	• 1	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2563

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USAFETAC  $_{\rm jut.~64}^{\rm FORM}$  0-8-5 (OL A) previous editions of this form are obsolete

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANOLER 43-74 STATION NAME TEARS											FEB HONTH		
						ALL WE	ATHER							-1409 (L.S.T.)
		_				сом	DITION			<del></del>				
_														
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.9	.9	• 3	.2								2.3	5.1
	NNE	.7	• 5	• 4	.2.	•0							1.8	5.9
	NE	.7	. 5	• 3	•1								1.6	5.2
	ENE	. 8	•2	. 3	•0								1.4	4.3
	E	. 8	• 9	1.0	•7	• 2	•1						3.7	8.2
L	ESE	. 9	• 9	1.3	.4	• 2							3.6	7.1
<u> </u>	SE	1.2	1.4	1.4	.5	.0							4.4	6.4
L	SSE	1.2	1.0	1.3	• 2	.0							3.7	6.0
	S	1.7	1.6	1.3	• 5	•1	•0				<u> </u>		5.1	6.1
_	SSW	1.4	1.3	1.6	.3	.0							5.2	5.9
Ļ	5W	1.8	1.1	.6	.6	.2					<u> </u>		4.9	Ú = O
ļ	wsw	1.7	2.1	1.5	• 5	• 1	•0						5.9	6.2
ļ-	w	3.2	4.3	2.0	•9	.0					ļ		10.4	5.6
.  -	WNW	2.2	2.2	1.7	.7	.4					<u> </u>		7.3	6.9
-	NW	1.7	2.0	1.2	•4	.1	0	•0					5.5	6.1
ļ.	WMM	.8	.7	.4	•2						<del> </del>	<del></del>	2.1	5.4
Ļ	VARBL		< -					<del></del>		<del></del>	<del></del>	$\leftarrow$	21.0	
	CALM	$\geq \leq$	$\times$	$\geq \leq$			$\geq \leq$	31.0						
		21.7	22.5	16.6	6.4	1.4	.3	٠٥					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2577

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	43-74 YEARS	FEB
•			1500-1700
		CIASS	HOURS (L.S.T.)
	CC	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	. 8	•6	• 3		•1			·		<u> </u>	2.8	6.3
NNE	• 4	•4	5	• 2	•0					i		1.5	6.5
NE	•2	.7	• 3	• 2							i — —	1.4	6.9
ENF	. 4	•4	• 5	•1						<u> </u>		1.5	6.0
E	• 9	. 8	•9	• 5	•2	•0				1	i — — —	3.3	7.7
ESE	• 5	•8	1.2	• 1								2.6	6.6
SE	. 8	•9	.9	• 2	.1						i	2.8	6.2
SSE	. 4	• 5	• 2	• 2	•0							1.4	6.4
5	. 8	.5	•7	• 4	• 1							2.5	7.2
SSW	•7	• 7	• 9	• 4	• 2	•0						2.9	7.7
SW	1.3	1.4	1.3	• 5	•0	•0						4.6	6.5
wsw	1.7	2.5	1.4	. 8	e 2	•0						6.7	5.8
w	4.6	7.8	4.0	1.4	• 1	•0						18.0	5.8
WNW	3.5	5.8	3.4	. 8	• 2	.1	0					13.8	5.9
NW	2.3	3.7	2.4	.4	•2	•0						9.1	5.9
NNW	1.2	1.6	•6	.3	• 1							3.7	5.5
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq <$	> <	> <	$\geq <$	$\geq$	$\geq <$	$\geq$			21.3	
	20.6	29.3	19.8	7.0	1.6	.4	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

2500

USAFETAC FORM 0-8-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

₹3104	WILLIAMS AFB ARIZUNA/CHANDLER	43~74	FEB
		ATHER	1800-2000 HOURS (L.S.Y.)
	COM	IDITION	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.5	1.3	.3	.2	0							3.2	4.6
NNE	1.3	1.1	•4	.3								3.0	5.0
NE	1.5	1.0	.7	.2			·				1	3.4	5.0
ENE	1.5	1.3	• 5	.1				Ī				3.4	4.6
Ē	1.7	1.9	• 7	• 2	• 1					1		4.5	5.1
ESE	1.1	1.1	.6	.2			<u> </u>				l — — —	2.9	5.2
SE	1.5	.8	• 5	٥.	.2				<del>                                     </del>	1		3.0	5.3
SSE	, 7	, 5	.3									1.5	4.2
5	8.	1.0	• 3	•1	.0							2.1	5.0
SSW	.4	.7	.6	.4		•0					Ī	2.1	7.2
SW	1.1	1.0	.7	•0	• 1	•0						2.9	5.9
W3.4	1.0	1.0	6	• 2	.0							2.9	5.3
w	3.1	3.4	1.4	.4	.1						i	8.4	5.0
WNW	3.5	3.2	. 8	.4	.0	•0						8.0	4.8
NW	2.9	1.1	.6	•1	.0							4.7	4.3
NNW	2.1	1.5	.4	•2	.0							4.2	4.5
VARSI								T		1	<u> </u>		
CALM		>	$\times$	$\geq <$	$\times$	> <	$\boxtimes$	$\sim$	$\boxtimes$			39.7	
	25.5	21.9	9.2	2,9	.7	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 2239

USAFETAC FORM 0-8-5 (0!, A) PREVIOUS EDITIONS OF THIS "ORM ARE OBSOLETE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	43-60,62-74	FEB
STATION	STATION NAME	YEARS	MONTH
	ALL n	IEATHER	2100-2300
		CLASS	HOURS (L.S T.)
	<del> </del>		
	•	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	8.	• 4	• 5	7,,,,,,								1.7	4.7
NNE	•6	• 3	•1	.2	•1						i	1.2	5.7
NE	1.3	1.5	•5	•1					<del></del>		l	3.5	4.7
ENE	2.1	1.6	• 5	• 2				i		· · · · · ·		4.4	4.2
E	4.9	4.4	•9	• 2	.1		<u> </u>			i		1C.4	4.2
ESE	6.9	5.0	1.3	•2	•1							13.4	4.2
SE	4.4	3.5	1.0	•2				<del></del>				9.2	4.4
SSE	1.9	1.1	• 1	. 1								3.1	3.8
5	1.0	1.0	• 4	.2	•1					1		2.7	5.4
ssw	.7	. 5	• 5	• 3								2.0	6.4
sw	7	• 5	• 5	.3	• 1						1	2.1	6.7
W5W	• 2	. 3	• 3	• 1								• 8	6.4
W	.7	.5	• 2	-1	1							1.6	5.6
WNW	. 5	.3	• 2	.1	.1							1.3	5.9
NW	.8	.6	• 2	.1								1.7	4.8
NNW	.4	.4	• 2	• 2								1.2	5.6
VARBL													
CALM	><	$\times$	$\times$	><	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\boxtimes$			39.7	
	27.9	22.2	7.4	2.4	.4							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 1822

USAFETAC  $_{AR-64}^{FORM}$  0-8-5 (QL A) previous editions of this form are obsclete

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## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-45,47-60,64-65,73-74	MAR
STATION	STATION MANE	YEARS	MTHCM
	ALL WI	EATHER	0000-0200
		:LASS	HOURS (L.S.T.)
		(SITION	
	COI	19) 110R	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	.4	•3	• 1		•1				<del>}</del> 		1.9	5.5
NNE	•3	•1	.6	• 2.	.1					T		1.3	7.4
NE	1.4	1.0	.5	•1					<del>                                     </del>		<u> </u>	3.1	4.8
ENE	.6	. 8	• 4					1	†	†		2.0	5.2
E	3.8	4.4	1.1									9.8	4.5
ESE	5.2	7,9	3.4	•2					1	T		17.1	5,0
SE	4.3	8.7	4.5	• 3	.1				<del> </del>			13.0	5.4
SSE	1.6	1.7	.9	•1	.1			1	<u> </u>	†	<del></del>	4.2	5.0
\$	1.2	1.6	• 5	•2	•1			1			T	3.5	5.5
ssw	.7	.6	.6	• 2	.1			1				2.1	6.1
sw	•6	1.2	1.6	• 1				<u> </u>		T -		3.5	6.3
wsw	5	•5	•1	.1				l				1.3	4.8
w	• 5	•5	.6							T		1.7	5.4
WNW	.3	•4	• 2	• 1				Ī				.9	5.5
NW	. 8	.6	• 3	• 1				i				1.8	4.3
МИМ	.1	• 4	.4	•1								1.0	6.8
YARBL								1					
CALM		$\times$	$\geq <$	$\times$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$		><	26.9	
	23.0	30.9	17.1	1.7	,4	•1						100.7	3.8

TOTAL NUMBER OF OBSERVATIONS

1864

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILL	IAHS AF	B ARIZUNA/CHANDLER 42-45,47-74											MAR		
STATION		_	STATION			ALL WE	ATHER			YEA 96			0300	-0500		
		_		<del></del>		CON	DITION			<del></del>						
	SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 4C	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED		
ľ	z	1.1	.3	5	•0								1.8	4.6		
	HNE	.4	. 3	• 4									1.1	5.6		
	NE	1.7	.4	.3									2.4	3.8		
	ENE	.7	1.0	• 3									2.0	4.5		
	E	5.4	8.4	2.9	. 1								16.8	1.8		
	ESE	4.3	10.8	5.4	.3								20.8	5.4		
	SE	4.1	7.5	4.9	.5	•0			<u> </u>				17.1	5.6		
	SSE	1.1	1.8	.7						<u></u>			3.5	4.9		
	<u> </u>	1.2	.9	. 4	• 2	• 2				<u> </u>			3.1	6.0		
İ	SSY	3	.7	.6	• 2					<u> </u>			1.8	6.4		
	SΨ	1.1	.6	1.1	•2				İ				3.0	5.7		

TOTAL NUMBER OF OBSERVATIONS 2163

5.3

1.3 2.6

19.9 100.0

USAFETAC  $_{\text{JUL 6}}^{\text{FORM}}$  0-8-5 (OL A) PPEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AF	B ARIZONA/CHANDLER	42-45;47-74	YKARS	MAR HEADH
		۸L	L WEATHER		0600-0800
	11100000		CLA86		HOURS (L.S.T.)
			CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.4	.1	•1								.9	5.7
NNE	• 2	.3	. 3	•1								• R	6.3
NE	.7	•1	.3	•1								1.3	5.3
ENE	1.1	1.0	•2	• C								2.3	4.2
E	4.5	9.4	2.5	•1				T	<u> </u>			16.5	4.7
ESE	4.9	12.5	6.2	.1								23.8	5.4
SE	4.1	9.2	6.1	.6	• 1			<del>                                     </del>		1		20.0	5.7
SSE	.9	1.5	1:0	•1				1	1			3.5	5.3
5	1.3	1.1	.7	•2	•1	•0			1			3.4	5.7
SSW	.6	.5	.9	• 3	.1			1				2.4	7.1
sw	1.0	•4	.8	• 2	.0			1				2.5	6.3
WSW	.4	•2	.2	•1	.0						·	.9	6,1
w	• 4	. 1	.1	•0	1							.7	4.3
WNW	.1	.1	.1	•1								.4	6.3
NW	•4	.3	.3	•1	·		T	1	1			1.1	5.5
NHW	•1	.3	. 3	.0						1		• 8	6.3
VARBL								1					
CALM	$\sim$	> <				$\supset \subset$						18.6	
	21.0	37.7	22.2	2.2	.3	.0						100.0	4.

TOTAL NUMBER OF OBSERVATIONS 2715

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

231(14 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-45,4?-74	MAR
STATION	STATION NAME	YEARS	HONTH
	ALL N	MEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
	<del></del>	CONSTRUCTION	
	· · · · · · · · · · · · · · · · · · ·		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	• 2	• 3	•0								1.2	5.0
NNE	.3	• 2	.3	.4								1.2	8.4
NE	.4	.2	. 2.	• 1	•0					1		.9	6.1
ĒNE	•6	• 2	• 2	• 2								1.2	5.8
E	1.7	1.3	• 9	• 4	• 0							4.4	5.5
ESE	1,9	2.7	2.1	,5	• 0							7.3	5.9
SE	3.9	5.7	5.0	1.1	• 1							15.9	5.0
SSE	2.3	2.7	2.4	• 5	.0	•0						8.1	5.8
5	2.9	1.8	1.2	•6	• 1							6.3	5.4
SSW	1.2	• 3	1.3	. 8		-0			]			4.3	7.3
sw	2.0	1.7	2.2	,6	• 1							6.5	6.3
wsw	1.3	1.1	. 8	• 5	•0	•0	• 0					3.8	6.5
W	1.7	1.2	1.3	• 4	• 2	• 1			l			4.9	6.6
WNW	1.0	.7	. 5	• 1	• 1			l				2.4	5.8
NW	. 9	• 4	• 3	21	• 1					l		1.8	5.3
NNW	• 5	• 2	.3	• 1								1.1	5.5
VARBL													
CALM	$\times$	$\mathbb{X}$	><	><	$\bigvee$	$\geq$					><	28.4	
	23.2	21.2	19.6	6.6	. 8	.2	. 0					100.0	4,3

TOTAL NUMBER OF OBSERVATIONS

2912

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-45,47-74	MAR
STATION	STATION DAME	YEARS	KTHOM
	ALL W	FATHER	1200-1400
		CLASS	HOURE (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	.5	•1								2.7	4.8
NNE	• 4	• 3	•4	• 2					!	T	i	1.3	6.4
NE	.5	• 4	• 3		.0			I				1.2	5.2
ENE	• 4	• 4	•4			•0						1.2	5.9
E	.7	• 4	.6	•4	•0					1	i	2.2	6.8
ESE	.5	.8.	• 5	.2								2.1	6.0
SE	1,0	.8	1.2	• 3	•1							3.5	6.5
SSE	.9	1.0	•6	.3	• ?		i	i	1	1		3.0	6,5
S	1.5	1.9	1.3	.4	•1	•0			<del> </del>			5.3	6.2
SSW	1.2	1.4	1.4	1.0	•1	•0	i		<u> </u>			5.2	7.3
SW	2.3	2.4	2.6	1.1	•2	•0			1	1		8.6	6.8
WSW	1.6	3.8	2.8	.9	.3						· ·	9.4	6.8
w	3.5	5.4	4.3	1.2	.4	• 2						15.1	6.7
WNW	1.6	3.8	3.0	. 5	• 2	•0			[			9.2	6.5
NW	2.7	2.7	1.8	.5	•1					<u> </u>		7.8	5.5
NNW	1.0	1.3	.6	.1			•0					2.9	5.1
VARBL		····					1		T	<u> </u>			
CALM	><	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$		19.4					
	21.0	27.9	22.3	7.2	1.7	.4	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2927

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AND THE PROPERTY OF THE PROPER

CALM

23104 WILLIAMS AFB ARIZONA/CHANDLER

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42-45,47-74

	_	<del></del>			ALL WE	ATHER						1500	) – 1 ' is (L.s.
					CON	DITION							
SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥56	*	- M
DIR.								L					Si
N N	1.7	1.3	.6	.3			.0					3.9	
NNE	.6	• 5	• 2	• 2								1.4	
NE	• 5	•4	• 2.	•0								1.1	Γ
ENE	.1	.3	•1	•0								.6	$\overline{}$
ε	.3	.6	. 5	•2								1.5	Г
ESE	.5	.4	•4	• 3	•0				<del> </del>			1.5	
SE	• 2	7	8_	•2	•1							2.0	
\$SE.	• 2	.5	• 5	• 2					[			1.4	
\$	.5	.7	. 8	• 5	•1	•1				1	<del></del> -	2.7	Г
ssw	.7	1.1	.9	•7	.4	•1			<u> </u>	<u> </u>		3.9	$\vdash$
sw	1,1	1.7	1.2	.7	•3	•2						5.1	
wsw	1.5	2.5	2.5	1.5	• 3	•0				1		8.4	
w	3.1	8.3	8.2	2.5	.9	•1			i			23.1	Г
WNW	2.5	5,2	5.1	.9	.3	• 1						16.1	-
NW	3.2	5.1	3.0	.4	. 1	•0				1		11.7	
NNW	1.1	1.8	. 6	- 1					<u> </u>			3.8	$\sqcap$
VARBL									<del>                                     </del>			1	

TOTAL NUMBER OF OBSERVATIONS 2543

USAFETAC: FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE COSCLETE

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## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZUNA/CHANDLER	42-45,47-74	MAR
STATIO.	STATION NAME	YEARS	MORTH
	ALL WE	ATHER	1800-2000
	CL	AAS	HOURS (L.S.T.)
	COND	DITION	

SPEFD (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	27 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.4	1.9	.4	.3	.0							6.1	4.3
NNE	1.4	• 5	• 4	•0	•0		i			l		2.4	4.5
NE	1.0	1.1	. 5							İ		3.2	4.2
ENE	• 7	.9	•4	•0								2.1	4.8
E	1.1	1.1	• 4	• 2								2.8	5.0
ESE	• 6	.7	.4	• ?								1.9	5.6
SÆ	• 6	• 9	5	• 2	• 1	• 1		1				2.3	6.6
SSE	.7	. 5	• 4	• 1								1.7	5.3
S	.7	. 3	• 3	. 4	.1							1.8	7.0
ssw	.3	.6	. 5	• 3	. 1							1.8	7.7
SW	1.5	1.7	1.4	.5	•0							5.1	6.2
WSW_	. 9	1.5	1.5	. 4	. 2					Ĺ		4.5	6.9
w	3.0	4.4	2 . 5	.7	• i							10.7	5.7
WNW	2.5	3.1	1.7	• 5	. 1	•0						8.	5.7
NW	3.2	3.3	1.2	. 2	. 2	.0		<u> </u>				8.1	5.0
NNW	2.2	2.0	. 6	.2				L				4.9	4.4
VARBL	<u></u>												
CALM	$\geq \leq$	><	><	><	><	><		[><	$\geq \leq$	$\geq <$		32.6	
	24.7	24.6	13.2	4.2	• 9	•2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2540

USAFETAC  $\frac{\text{FO.M.}}{\text{JU. 6c}}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OCSOLETE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-45,47-74	MAR
STATION	STATION MAKE	YEARS	MORTH
	ALL W	IFATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	• 5	.4	.1	.0							2.6	4.4
NNE	1.0	3	• 3	.1								1.8	4.7
NE	2.1	1.4	• 9	• 1								4.5	4.6
ENE	1.8	1.3	• 3	•0								3.4	3.9
E	4.3	4.2	1.1	•1	• 1							9.8	4.4
ESE	4.0	3.8	1.4	.1		•0						9.4	4.6
SE	4.1	3.8	1.9	.1	•	•1	i					10.1	5.0
SSE	1.1	1.2	•6	.1								3.0	5.0
S	1.0	1.2	•6	.3								3.0	5.5
SSW	.9	1.3	.6	•6								3.3	6.2
sw	1.3	1.9	1.1	•2	• 1							4.6	5.6
wsw	.5	• 8	•9	•0						<u> </u>		2.3	6.1
w	.7	• 5	• 7	•1	•0							2.0	6.2
WNW	• 5	1.0	.3	.1								1.9	5.3
_NW	1.0	. 9	.1	•0	•0							2.1	4,3
NNW	. 6	, 5	• 2	•1								1.4	5.2
VARBL										<u> </u>			
CALM	><	$\geq <$	$\geq$	$\times$	$\times$	> <	$\geq$	$\geq$	$\geq$	$\geq$	><	34.7	
	26.5	24.5	11.4	2.4	.4	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 2151

USAFETAC  $_{
m NL~64}^{
m FORM}$  0 8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

1900

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WILL	IAMS AF	B ARIZ	DNA/CH	ANDLER		42-	·60,64·	·65,73-	-74			A	PR
					ALL WE							ტიტი	-020
					MEL 41	LASS						HOUR	(L.S.T.)
					cr	31TION							
	_								<del></del>				
<del></del>	,		<del>,</del>	,		,		<del></del>	<del>,</del>	<del>,</del>		,	
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.4	•2	.1						<del> </del>		- 8	6.1
NNE	.4	.3	•2							<del>                                     </del>		•8	4.6
NE	,5	• 2	• 5	•2	• 1		<u> </u>					1.4	7.1
ENE	.5	• 9	.4	• 1	• 1							2.0	5.6
E	2.8	3.9	1.9	•1								8.8	4.9
ESE	3.9	6.2	3.6	•2								13.9	5.2
SE	6.9	10.5	4.1	• 5		• 1						22.0	5.0
SSE	1.6	1.9	.8	.1								4.4	4.7
S	1.2	1.2	1.3	•2	.1							3.9	6.0
SSW	8.	1.3	1.3	• 2	• 1							3.6	6.2
sw	. 8	1.5	1.3	.4	.1							4.1	6.5
wsw	.6	.6	.3	• 3	.1							1.8	6.6
w	.4	• 5	. 2	• 2			L					1.2	5.9
WNW	.6	•1	•2				<u> </u>		<u> </u>	<u> </u>	<u> </u>	•9	4.4
NW	• 4	3	.4	•1	<u> </u>	<u> </u>			ļ	<u> </u>	L	1.1	5.3
NNW	.3	.2	•2	•1			<u> </u>		<u> </u>	<u> </u>		.8	5.7
VARBL					Ļ,		<u> </u>	ļ,		ļ			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		28.3	
	21.8	30,1	16.8	2.6	, 3	.1						100.0	3,8

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-74	APR		
STATION	STATION NAME	YEARS	MONTH		
	0300-0500				
	CLASE				
		ONDITION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.3	• 2									•9	4.
NNE	• 2	.0			• 1		i					•3	7,
NE	• 2	• 5	•2	• 2								1.1	6
ENE	. 8	1.6	• 5	• 0								2.9	5
E	3.2	7.1	4.4	_ • l								14.9	5
ESE	4.6	9.5	7.2	• 5					i			21.7	3
SE	4.9	10.4	8.4	.6								24.3	5
SSE	1.3	1.6	• 9	•0								3.9	4
S	•6	.7	.7	• 2								2.2	6
SSW	• 2	• 9	•9	• 4	• 1			l				2.5	7
sw	•6	• 9	1.4	• 5			J					3.4	7
wsw	• 3	.3	• 3	• 1								1,1	6
w_	.3	• 5	.2									1.0	4
WNW	.1	• 1	• 2									• 5	6
NW	.3	.3										• 5	3
иим	. 2	1.1	.4				L					1.6	5
VARBL								L					
CALM	><	><	$\times$	$\times$	><	><		><	><		$\searrow$	17.0	
	18.3	35.8	26.0	2.7	.2		*		<b>——</b>	(C	farmer and	100.0	4

TOTAL NUMBER OF OBSERVATIONS

2184

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (QL A) Previous editions of this form are obsolete

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-74 YEARS	APR NONTH
		ATHER	0600-0800 HOURS (L.S.T.)
	сом	IDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	37 - 21	22 - 27	23 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•1	.2	• 1									.4	4.7
NNE	. 1	. 1	• 1	.0								•3	6.3
NE	.4	1	• 1									•7	4.4
ENE	.5	.7	• 3	.1						i		1.6	5.4
E	2.9	5.0	2.9	.3								11.2	5.3
ESE	3.0	10.5	7.8	.7								22.1	6.0
SE	3.9	12.0	10.8	1.1	,					1		27.8	6.3
SSC	1.9	2.7	1.7	• 4								6.7	5.5
S	. 9	1.3	•6	.4								3.2	5.8
SSW	.3	.7	1.5	.3		•0		1				2.9	7.4
sw	. 3	. 7	1.4	. 7	.0							3.1	8.2
WSW	.4	• 4	•7	• 1	.0							1.7	6.8
w	. 3	• 2	. 2	.3								1.0	7.4
WNW	. 1	.3	• 2	·i								.6	6.1
NW	. 1	.3	. 2									.6	5.5
NNW.		.1	• 2									.5	6.2
VARBL													
CALM		> <	$\times$	>	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq <$	><	15.5	
	15.7	35.4	28.9	4.4	. 1	•0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2714

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	APR
STATION	ZHAN NOIFATE	YEARS	HTHOM
	ALL WI	EATHER	0900-1100
		LLASS	HOJES (L.S.T.)
		_	
	COL	MOITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	S4 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	• 2	.3	•0								1.0	4.8
NNE	. 3	• 2	•2	• 1	•0	•0					<u> </u>	• 9	6.8
NE	•4	• 2	• 2	• 1	•0							•9	6.1
ENE	.3	.4	• 3	• 3						<u> </u>		1.3	6.9
E	٠۶	.9	•6	• 5	.1						<u></u> -	3.0	6.7
ESE	1.1	2.0	1.4	• 5	.1							5.1	6.5
SE	2.5	4.4	4.5	1.0	.1					T		12.5	6.5
SSE	2.4	3.7	2.8	• 5						<del>                                     </del>	T	9.3	5.8
S	2.3	2.7	1.5	• 7	• 1						T	7.2	5.7
SSW	1.4	1.6	1.7	.8	.3							5.8	7.3
sw	2.3	2.1	2,2	.9	.3							7.7	6.7
wsw	1.2	2.2	2.1	•7	.2							6.4	6.8
w	2.4	2.1	1.5	•6	1						i	6.7	5.8
WNW	1.4	1.7	1.1	• 2	• 0		•0					4.5	5.7
NW	.9	.8	•6	• 2.	.0							2.6	5.5
WWW	•4	. 5	• 3	•0								1.3	5.1
VARBL													
CALM	>>	$\geq$	$\times$	$\ge$	$\geq \leq$	$\geq$	$\geq$		$\geq$	$\boxtimes$		23.8	
	20.8	25.6	21.3	7.2	1.3	•0	•0					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 2892

USAFETAC  $\frac{\text{form}}{\omega 4}$  0-8-5 (QL A) previous editions of this form are obsolete.

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WNW

NW

VARBL

CALM

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

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## SURFACE WINDS

# PERCENT.AGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION			STATION	THAN E					,	EARS				KTHO
		_	<del></del>		<del></del> _	ALL WE	ATHER	<u>.                                 </u>						-1400 (Ls.y.)
						СЭМ	MOLTIO							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	.4	.9	•4	.1								1.8	5.5
	NNE	.4	.3	.4		٠٥							1.1	5.4
	NE	. 3	.4	• 2									1.0	5.2
	ENE		.3	• 2	.0								.7	5.9
	E	.2	.4	.6	• 4								1.6	7.7
	ESE	3	.6	.4	_ 3								1.5	7.2
	\$E	.5	1.0	1.0	. 4								3.0	6.7
	SSE	.7	1.0	• 9	1	•0							2.8	6.3
	S	1,1	1,5	1.7	• 5	. 2	•0						5.0	7.1
	SSW	. 8	2,4	2.2	1.0	- 2		•0					6.7	7.6
	5W	1.3	2.9	3.7	1.3	.3	•1				اا		9.5	7,8
	wsw	1.5	4.2	4.8	2.0	.6	•0				1		13.1	8.1

TOTAL NUMBER OF OBSERVATIONS 2905

7.4

6.2

4.5

6.4

12.4 7.8

3.1

10,4

100.0

USAFETAC FORM 0-8-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE CASCRETE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-74		APR
STATION	STATION NAME		YEARS	MONTH
	ALL	WEATHER		1500-1700
		CLASS	<del></del>	HOURS (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.2	.7	•1							·	3.2	5.0
NNE	.0	.5	• 3	•1		•0						1.0	8.0
NE	.1	• 3	• 2	•1		•0						•7	6.8
ENE	.1	•2	•2	•0								.7	5.9
E	.1	• 5	•2	.1								•9	6.6
ESE	.2	• 2	• 2	• 1								.7	6.5
SE	.3	• 3	• 4	•2			• 0					1.2	7.3
SSE	•1	•6	•4	• 2		•0			•0			1.3	8.0
\$	•5	• 5	. 7	• 4	.1	• 1						2.3	8.0
\$sw	. 2	. 8	1.3	.5	• 2	•1						3. 7	9.1
_sw_	•6	1.3	2.6	1.6	. 4	.3						6.9	9.6
WSW	.8	2.8	4.6	2.1	• 5	• 1					· _ ·	10.8	8.8
w	1.6	6.7	9.6	4.2	.7	• 1		i				22.7	8.4
WNW	1.7	6.7	8.7	2.0	.3	•0						19.3	7.4
HW	2.3	5.6	5.2	.9	.4	• 0	.0					14.3	6.8
NNW	1.4	2.3	1.7	.3								5.7	5.9
VARBL													
CALM		><	><	><	><	><	><	><	><	><	><	4.9	
	11.2	30.6	37.2	12.7	2.5	.9	.1		.0			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

2818

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER STATION MARE	42-74	YEARS	APR
	ALL	WEATHER CLASS		1800-2000 HOURS (LS.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	2.3	•7	.1	·							5.7	4.
NNE	1.1	•7	. 3	• 2								2.4	5.0
NE	.8	.6	•2	•1	•							1.8	5.
ENE	• 5	.3	.4	•0								1.2	5.
E	.5	.7	•2	•0								1.6	4.
ESE	.6	.4	•4	•0								1.5	5.
SE	.5	,5	. 8	•2		•0			[			2.0	7.
SSE	,4	.3	•2	•1						I		1.0	5.
5	.4	• 5	• 3	.3	• 0							1.7	7.
ssw	. 5	.7	.5	• 5	. 2	• 1						2.6	8.
sw	1.1	1.4	1.9	• 5	• 2							5.1	7.
W\$W	1.0	1.6	2.0	•8	.0	•0						5.4	7.
w	2.7	4.9	4.0	• 9	1	• 1						12.7	6.
WNW	2.1	4.2	3.3	1.0	.2							10.7	6.
NW	3.8	5.4	3.1	•9	.1	.0						13.2	5
NNW	3.6	3.6	1.2	• 2	.1	•0					1	8.8	4.
VARBL													
CALM	$\supset <$	><	$\supset <$	> <	><	><	><		$\supset <$			22.6	
	22.5	28.0	19.6	5.9	1.0	.3						100.0	4.

TOTAL NUMBER OF OBSERVATIONS 2576

USAFETAC  $\frac{\text{form}}{\text{RU-64}}$  9-8-5 (OL A) previous editions of this form are obsolete

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	APR					
STATION	STATION NAME	YEARS	MONTH					
	ALL WEATHER							
	CLASS							
	CON	BITION						

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.2	•4	•0								2.8	4.4
NNE	.8	.6	•4	•1						<u> </u>		1.9	5.0
NE	1.1	1.1	.6	•2	•0	•0						3.1	6.0
ENE	1.3	1.5	۰4	•0	•0							3.3	4.4
E	3.4	2.7	• 7	•0								6.9	4.0
ESE	3.6	2.4	1.1	• ì				T		<del> </del>		7.3	4.4
SE	3.7	2.6	2.0	•4								8.7	5.1
SSE	1.3	.9	•6	•1	•1				1		<u> </u>	3.0	5.3
5	1.5	.8	. 8	.4				<del>                                     </del>				3.4	5.7
SSW	1.1	1.5	1.5	• 5	.2							4.8	7.1
5W	1.2	2.5	2.0	•6	•0				<del>                                     </del>	<b></b>		6.5	6.5
WSW	.9	1.6	1.0	.3					1	1	· ·	3.8	5.9
W	.7	1.0	1.1	•0								2.9	5.7
WNW	. 5	.7	•7	• 1				T	<del> </del>			2.4	5.6
NW	.9	1.1	.8	•1				<u> </u>	T			2.9	5.3
NNW	1.0	•5	• 3	•1						<u> </u>		1.9	4,6
VARSL							[	<del>                                     </del>		<del>                                     </del>	<del>                                     </del>		
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq$	$\geq$		$\geq$	$\geq$	34.7	
	24.5	22.8	14.4	3.2	. 4	•0						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 213

USAFETAC FOLM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FRCE: HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANGLER	42-61,63-65,68-70,72-74	MAY
		WEATHER	0000-0200 NOVER (L.E.T.)
		CONDITION	
		CONDITION	

SPEFD (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	.4	. 1	• 3	• 1			1			<del>                                     </del>		1.0	6.0
NNE	• 2	• 3	•0									• 5	4.0
NE	•4	. 2	• 2	•0					i			•9	5.0
ENE	.7	.8	• 3	•1						1	l	2.0	5.0
E	3.8	4.2	2.5	.0				<u> </u>	!			10.5	4.9
ESE	4.5	6.6	3.6	•2			1		<del> </del>			14.9	5.1
SE	4.8	7.1	4.2	.3				·				16.4	5.3
3SE_	1.8	1.9	. 8	• 1							<u> </u>	4.6	4.6
S	1.8	2.0	• 5	•2								4.6	4.7
ssw	•6	1.3	1.2	.4	.0						<del></del>	3.6	6.9
sw	. 9	1.8	1.4	.6						Ţ		4.8	6.6
WSW	.5		1.0	.1							· ·	2.4	6.1
W	.4	• 5	.1									1.1	4.3
WNW	• 3	. 5	• 1	•0								1.0	4.7
82	.2	5	•0	0								• 8	4.9
MMM	.2	.1	.2	•0								•5	6.0
VARBL								Γ					
CALM	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\geq$	$\boxtimes$	$\boxtimes$		30.5	
	21.7	28,7	16,6	2.5	.0							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

2076

USAFETAC FORM 0-8-5 (0% A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFT	ARIZONA/CHANDLER	42-74		MAY
STATION		STATION HAME		YEARS	MONTH
			ALL WEATHER		0300-0500
	<u> </u>		CLASS		HOURS (L.S.T.)
		<del></del>	KOITIONCS		
		<del></del>		<del></del>	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	• 3	. 3	_								•6	6.5
NNE	• 0	.1	.1	.0								• 3	6.3
NE	• 3	. 3	• 2									• 9	4.6
ENE	.5	1.4	5	•0								2.5	5.1
E	4.1	8.9	4.1	•0				,				17.2	5.2
ESE	3.7	11.5	9.8	.6								25.6	6.1
SE	3.9	9.9	9.6	• 5						<u> </u>		23.9	6.1
SSE	1.4	1.8	• 9	•1	•0							4.3	5.3
S	.6	.7	. 3									1.7	4.6
\$SW_	. 3	. 5	.7	•2			{					1.6	6.8
sw	.6	. 8	1.0	• 3						<u> </u>	<u></u>	2.6	6.8
wsw	. 21	. 3	. 3	• i								• 9	5.4
w	.3	1.		• 0								.6	4.9
WNW	. 2	. 2	.2									.6	5.3
NM.	-1	.1	. 2									• 4	5.8
NNW	. 2	. 9	. 4	• 0								1.5	5.8
VARBL							]						
CALM	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\mathbb{X}$	$\times$	$\geq \leq$	$\geq$	$\boxtimes$	$\geq$	$\geq \leq$	14.8	
	16.5	37.9	28.7	2.0								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2325

USAFETAC  $_{
m JUL~54}^{
m FORM}$  0 8-5 (QL A) previous editions of this form are obsolete

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### SURFACE WINDS

### PERCLICTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WILLIAMS AFB ARIZUNA/CHANDLER	42-74	МАУ ИТИОИ
SIATION HARD	TEARS	MANIN
ALL Y	MFATHER	0600-0800
	CLASS	HOURS (L.S.T.)
~ <del></del>		
•	CONDITION	
	ALL I	STATION NAME YEARS ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	. 2	• l									•3	6.1
NNE	.1	•1	•2	•1								• 5	7.0
NE	.4	• 1	•1					1				•6	4.2
ENE	.4	.7	• 4	.1			[					1.6	5.6
3	1.7	5.9	3.5	• 5								11.6	5.9
ESŁ	3.4	9.2	11.4	1.4								25.4	6.6
SE	3.3	11.7	13.5	1.2	.0				T			29.8	6.6
SSE	1.3	2.9	2.2	-1								6.5	5.7
\$	1.0	1.1	•6	• 1								2.9	5.2
S5'4'	• 4	.5	• 7	• 1			1					1.8	6.3
SW	.0	8	•9	• 1								2.5	6.3
W\$W	.1	• 3	• 4	• 2							· ·	1.0	8.0
W	2ء	. 3	. 2									• 8	5.1
WNW	. 1	.1	.2									• 5	6.0
NW		. 2	• 1									• 3	5.4
WNN	.0	. 1	.1	• 1								.4	7.1
VARBL							l						
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq$		13.5	
	13.3	34.3	34.8	4.0	.0							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

2820

USAFETAC FORM  $_{\rm SUL~64}$  0-8-5 (QL A) Previous editions of this fc-IM are obsolete

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	MILL	IAMS AF	B ARIZ	DNA/CH	IANULER		42-	74		YEARS		<del></del>		AY
						ALL WE								-1100
						с	LASS						HOUR	S (L. 5. Y. )
		_				con	HOITION							
		_												
					,									
	SPEED (Kins) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
[	N	•4	.3	• 1									• 8	4.3
Ĺ	NNE	. 2	. 2	•2	.1								.7	5.7
<u>l</u>	NE	• 2	.2	0.	• 1								.6	5.1

DIR.			, , ,	11111			20.00		1	10.33	 ~	SPEED
N	•4	.3	•1								.8	4.3
NNE	.2	. 2	• 2	• 1							.7	5.7
NE	• 2	.2	0.	• 1							• 6	5.1
ENE	. 5	• 2	c.1	,1		•0			1		• 9	5,4
E	1.0	.6	• 4	.3	• <u>1</u>						2.9	7.3
ESE	1.7	1.7	1.3	.5	• 2						5.5	6.4
SE	2.8	4.0	3.7	.6	• 1						11.2	6.0
SSE	2.3	4.0	2.8	٤.	• 1			1			9.8	5.8
S	2.5	3.7	2.3	• 5	• 1						7.1	5.7
ssw	1.9	1.8	2.2	• 4	• 1					}	6.4	6.2
sw	2.1	2.5	2.4	.7	•1						7.8	6.3
WSW	1.3	1.9	1.7	.3	•0						5.2	6.0
W	2.0	2.4	1.3	.2	.1						6.0	5.4
WNV/	1.0	1.7	. 8	.2.							3.7	5.4
NW	1.2	1.0	. 5	.0							2.7	4.5
NNW	.6	3	_ • 2	.1							1.2	4.6
VARBL												
CALM		$\geq <$				><	><				25.4	
	21.9	26.6	20.1	5.1	.9	•0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

2986

USAFETAC  $\frac{\text{FORM}}{\text{zUL 64}}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	JILLIAMS AFB ARIZONA/CHANDLER	42-74 YEARS	YAМ
		EATHER cuss	1200-1400 HOURS (L.S.T.)
	CC	MOITION	

SPEED (KNTS) DIR.	1 - 3	- 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
Я	.7	.4	•2	•0						<del>                                     </del>		1.4	4.4
NNE	• 3	• 3	• ()	•1								. 8	4.9
NE	• 4	•2	• 1	• 1								.8	4.9
ENE	.2	• 1	• 4	•1			i			1		•8	7.1
E	• 2	•6	• 5	3						T		1.6	7.0
ESE	• 4	•6	•4	• 3	•0		i		1			1.8	6.9
SE	•6	• 7	1.5	• 2								3.1	7.0
SSE	.6	1.1	1.5	•4	•0			l				3.7	7.0
\$	1.1	2.2	2.3	. 8	,1	•0	i	i ———				6.6	7.0
SSW	.8	2.2	2.9	1.2	.2	•0		i —				7.4	8.0
SW	1.2	3.8	4.7	1.8	•3	•1						11.6	7.8
WSW	1.5	4.0	4.6	1.8	.3	•0	i					12.2	7.6
w	2.1	6.6	7.3	2.0	• 2							18.1	7.1
WNW	1.7	4.6	5.3	. 8	• 1							12.3	6.7
NW.	1.5	2.9	2.9	• 3	•0							7.6	6.1
NNW	. 8	•6	•7	• 2	.0							2.3	5.8
YARBL										1			
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq$	$\boxtimes$	$\boxtimes$	><	7.7	
	14.1	31.0	35.4	10.3	1.2	•2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL A) previous editions of this form a  $^{-1}$ 

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER STATION NAME	4, 2 7 4 YEARS	МАҮ
		ATHER ASS	1500-1700 HOURS (L S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	• 6	.6	• 2	•0							2.1	6.3
NNE	• 1	.2	.1	• 2	•1							•6	9.6
NE	. 2	. 1	.1	•0								. 4	5.5
ENE	.1		.3	1_								•4	8.2
E	. 1	• 2	.3	• 1								•8	7.3
ESE	.1	.3	.3	• 4								1.1	8.3
SE	.2	• 2	.4	• 1		•0						• 9	7.5
SSE	.3	.7	. 3	• 1								1.4	5.7
s	.3	.7	•6	• 3	•0							2.0	7.2
ssw	.3	1.2	1.5	1.2	. 1	.0			.0			4.4	9.1
SW	.7	1.7	3.1	2.1	.4	• 1			<u> </u>			8.1	9.3
WSW	.9	3.2	5.2	3.2	.3							12.7	8.8
W	1.5	7.1	10.5	3.0	•6							22.7	8.0
WNW	1.7	6.2	8.2	2.3	.2							18.6	7.4
NW	1.3	5.4	6.8	.6	0							14.2	6.7
NNW	.6	2.4	2.2	.4	•0							5.7	6.7
VARBL							<u></u>						
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3.8	
	9.1	30.3	40.5	14.4	1.8				.0		L.,	100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 2902

USAFETAC  $_{JUC.64}^{FORM}$  0-8-5 (QL. A) Previous folitions of this form are obsolete

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	MAY
<b>31-310-2</b>		ATHER	1800-2000
		ASS	HOUSE (L.S.T.)
	сом	DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	2.2	• 2	•1								4.7	4.1
NNE	6	.4	• 2	•2	. 1							1.6	6.2
NE	.3	• 2	• 3	•2								•9	7.0
ENE	.0	• 1	• 1	.0								• 3	8.0
E	. 2	•2	• 5	•0					<u> </u>			•9	6.8
ESE	• 1	. 1	. 3	•1								•6	7.8
\$E	• 1	• 2	. 2	• 1	.0				<u> </u>			.7	7.7
SSE	• 2	• 2	• 1								ĺ i	• 5	4.4
S	• 3	• 2	.3	•1			_ • 0					• 9	7.3
SSW	. 3	.3	•6	.4	.2	•0						1.9	9.3
sw	1.2	1.5	1.5	1.0	• 1							5.4	7.5
WSW	• 9	2.4	2.3	1.1	•1							6.8	7.4
W	2.2	5.1	4.5	•9	. 1	•0				i		12.9	6.5
WNW	2.9	5.4	4.0	1.2	. 1	•0						13.6	6.3
NW	5.8	6.9	5.4	. 8	,0					i		19.0	5.5
WMM	3,6	5,6	2.5	•4							i	12.0	5.2
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\times$	$\geq$	$\geq \leq$	$\geq$	$\geq <$	$\geq \leq$	$\supset <$	17.4	
	21.0	31.0	23.0	6.7	.7	• 1	•0					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2679

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74	YEARE	MAY
•1		1.m., 901, m.c.	127110	
	ALL	WEATHER		2100-2300
		CLASS		HOURS (L S.T.)
		COMDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPESD
И	2,3	1.2	. 4									3.9	3.8
NNE	.6	.6	• 1	•0								1.3	4.3
NE	1.4	.7	• 1	•0								2.3	3.6
ENE	1.0	• 3	• 2	•0								1.6	4.2
E	2.5	1.2	.6	2								4.4	4.3
ESE	1.8	1.4	•6	• 2	• 0							4.1	4.7
ŞE	2.2	1.4	1.2	• 1		•0						5.0	5.1
SSE	1.7	.6	• 3									2.5	3.9
\$	1.5	1.1	• 3	•2								3.1	4.5
ssw	1.1	2.1	1.4	.5	• 1							5.2	6.4
SW	1.9	2.9	3.3	.3								8.3	6.0
WSW	. 8	1.8	1.4	.3	0							4.4	6.3
w	1.6	1.6	1.2	. 2	.0							4.6	5.4
WNW	1.2	1.4	• 4	.1								3.1	4.8
NW	1.6	1.2	•6	•0	.0			l				3.4	4.7
NNW	1.7	•6	• 2	.1								2.6	3.8
VARBL													
CALM	$\geq \leq$	$\geq \leq$	X	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\geq \leq$	$\geq$	40.3	
	25.0	20.1	12.1	2.3	.3	.0						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

2360

USAFETAC FORM 0.8.5 (0) A) previous editions of this form are obsolete

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-60,62-65,68-74 YEARS	JÜN Henom
		ATHER	1000-0200
	сож	DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 5	• 2										.7	3.3
NNE	• 1	.2	•1									• 5	5.0
NE	.4	.6	.1									1.1	4.5
ENE	1.0	1.6	• 3							1		2.9	4.4
E	2.9	3.1	1.1	.3		0						7.4	4.8
ESE	3.7	5.8	3.1	• 4					Ī		<u> </u>	13.0	5.3
SE	3.8	5.1	3.0	•6							<del>                                     </del>	12.5	5.3
SSE	2.1	1.8	1.3	• 2	• 1				1			5.6	5.5
5	1.7	1.9	• 5	•1	.0							4.3	4.7
SSW	1.4	• 9	1.0	• 2	•0							3.7	5.6
sw	1.1	.9	1.3	• 3								3.7	<b>ö∙</b> 1
WSW	.7	.4	. 3	•0	•0					i		1.5	5.2
W	.4	.4	• 2									1.1	4.4
WNW	• 2	- 2										.4	3.6
NW	.5	.4	•1								1	1.0	4.3
WMM	.5	• 3	• 1									• 9	3.9
VARBL										1	1		
CALA	$\searrow$	> <	$\times$	$\geq \leq$	$\times$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\boxtimes$	$\geq \leq$	39.6	
	21.2	24.1	12,5	2.3	.2	•0						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 2016

USAFETAC 50RM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZUNA/CHANDLER	42-74	JUN
STATION	SHAM MOITATE	PEABY	MONTH
	ALL W	CATHER	0300-0500
		-1488	HOURS ,L.S T.)
	¢	ONDITICN	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 1	• 2	_ •0	•0			1	·	i	l		•4	5.9
NNE	• 3	• 3	.3	.0			I					.8	5.5
NE	• 3	٠3	2•					1				•8	4.6
ENE	.7	1.6	• 4									2.7	4.7
E	3.1	9.9	4.6	. 2			T.		i			17.7	5.4
ESE	3.5	13.2	9.6	.8								27.0	6.1
SE	3.7	9.1	9.1	.6	•0		I					22.5	6.1
SSE	1.6	2.4	.9	.0								4.8	4 , 8
S	• 5	• 4	• 7									1.6	5.4
SSW	• 2	.3	. 1	• 0								·ċ	5.5
sw	• 3	. 3	• 5	• 1								1.2	6.7
wsw	• 3	• 0	• 1									•4	4.0
w	. 1	. 3										.4	4.2
WNW	• 1	• 1	•0									•2	4.4
NW	. 2	• 2		0.						]		.4	4.8
NNW	.2	•2	•0									.5	4.0
VARBL													
CALM	><	><	$\geq <$	><	><	$\times$				$\supset <$	> <	17.9	
	15.0	38.6	26.6	1.9	•0							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2252

USAFETAC  $\frac{\text{FORM}}{\text{AU, 64}}$  0-8-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3104 STATION	WILL	IAMS AF		UNA/CH	IANDLEF	<u> </u>	42-	74	<del></del>	IZA\$S				UN
		-		<del></del>		ALL WE	ATHER							\$ (L.S.T.)
		-				сон	DITION							
r			·											
ļ	SPEED (KNTS)	; . 3	4-6	1 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	A1 · 47	48 - 55	≥56	%	MEAN WIND

SPEED (KNTS) DIR.	; . 3	4-6	J - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	•2	• î	• 0								•5	5.5
NNE	• 1	1	•1									.4	5.1
NE	, 1	. 2	• ]	•1								.4	5.7
ENE	16,	1.0	, 1									1.9	4.1
	2.5	5.9	3.7	•4								12.5	5.7
ESE	3.3	10.5	11.0	1.3	• 0						(	26 e1	6.5
SE	3.0	10.9	14.0	1.7	•0							29.5	6.8
SCE	1.5	2.9	2.4	• 3								7.1	5.8
S	.7	. 5	• 5	• 1								1.8	5.4
SSW	. 5	• 3	. 4	• 1								1.3	6.0
sw	. 2	.4	• 5	•1	.0							1.3	6.8
!ysw	.3	, 3	• 1									.7	4.4
w	.3	. 1	• 2									• 5	5.1
WNW	. 1	. 1	• 2								İ	.4	5.6
NW	.4	• 3	• 0	•0								8.	4.7
NNW	,2	•0	.1	•0								.4	5.2
VARBL													
CALAI		><				$\geq <$						14.3	
	14.1	33.9	33.5	4.1	.1							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 2722

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-74	YKARS	JUN
	ALL W	IEATHER		0900-1100
		CLASS		HOURS (L.S.T.)
		CHRITION		
	•			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥56	*	MEAN WIND SPEED
N	.3	.1	.1	.1	•0				<del></del>			.7	6.5
NNE	.1	.2	•1	•0				1				•5	5.3
NE	•2	• 2	.1		•0						i	•5	5.3
ENE	• 4	•1		•0								•6	3.6
Ε	, 9	• 5	• 5	• 2			i .					1.9	5.2
ÉSE	1.4	1.6	1.0	•4	.1	•0				1		4.4	6.0
SE	2.1	4.2	3.7	.7	• 0							10.8	6.2
SSE	2.4	4.1	2.8	.6								10.0	5.8
S	2.3	4.1	2.2		• 2							9.3	6.0
ssw	1.9	2.1	2.0	• ₫	•0							6.8	6.3
sw	1.8	2.5	1.7	•6	•0							6.6	6.0
wsw	1.5	2.4	1,7	.2	•0							5.8	5.8
w	2.4	3.3	1.1	.1	•0	•0						7.0	5.0
WNW	1.7	2.3	1.5	• 1				,				5.7	5.2
NW	1.1	1.5	.5									3.2	4.5
NNW	.3	.5	.3									1.1	4.9
VARBL													
CALM	><	X	><	$\searrow$	$\times$	$\times$						25.3	
	20.9	29.6	19.4	4.3	• 5	•1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2886

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER  STATION RANG	42-74 YEARS	NUL
	ALL WEATH	<del>1ER</del>	1200-1400 RCURS (L.S.T.)
	COMPLETION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.3	.4	•0	•0							1.2	5.8
NNE	.2	• 1	• 2	•1								.7	6.5
NE	.1	• 1	•1	•1								.4	6.9
ENE	• 2	•2	.2	•0						T		•6	5.5
ŧ	.1	• 3	. 3	•1								.8	7.3
ESE	•2	•4	• 3	•2		•0						i.1	7.5
SE	.7	. 8	8	. 3					T	ļ		2.6	6.5
SSE	.4	1.1	1.5	•2								3.2	6.6
S	6	1.6	1.9	.7	• 2	_						5.0	7.6
SSW	.9	1.6	3.2	1.0	.6	. 1				T		7.4	8.5
SW	1.1	2.6	3.8	1.5	• 3							9.4	7.8
WSW	1.2	5.4	4.7	1.8	•2		i i					13.3	7.3
W	2.1	8.0	9.6	1.4	• 1							21.3	6.9
WNW	1.4	5.8	7.0	.8	• 1							15.1	6.9
NW	1.1	3.3	3.0	.4								7.8	6.4
NNW	• 4	1.6	.9	.0	•0							2.9	6.0
VARBL													
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq$	7.1	
	11.3	33.3	38.0	8.6	1.5	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 2884

USAFETAC  $\frac{\text{form}}{\text{XX}_{i}}$  64 0-8-5 (QL A) previous editions of this form are desorted

2

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATIOR	WILL	IAMS AF	B ARIZ		ANOLER	ALL WI	ATHER	74	,	EARS			1500	UN -1700
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 53	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
ſ	N	• 3	.9	• 7	•1								2.0	6.0
Γ.	NNE	• 1	• 3	.1	•0								• 5	5.5
ĺ.	NE	Ĩ.	.1	.2	•0	•0							• 5	8.0
Ţ	ENÉ	.0	•1	.2	•0		•0					<u> </u>	• 5	8.4
[	E	• 1	• 1	•1	•1			•0			<del> </del>		, 15	9.1
[	ESE		• 2	• 2	•2						7		•6	3.7
	SE	• 1	• 3	. 2	•0		•0						.7	7.6
	SSE	• 0	• 2	.3	.1	•0							•6	8.2
	S	• 2	٠3	•6	• 2	•0	•0						1.4	8.0
	S\$W	• 1	.7	1.0	1.2	.4	•1						3.6	10.9
	sw	.4	1.5	2.9	1.9	.7	•0						7.4	9.8
Ĺ	WsW	• 1	2.0	4.C	1.9	•4	•1					<u> </u>	9.6	8.7
Į	w	1.4	6.3	11.9	3.0	.1							22.7	7.8
	WNW	<u>i.l</u>	7:0	11.2	3.9	.0							23.1	8.0
Ļ	NW	1.5	4.9	8.9	1.7	•1							17.1	7.5
Ĺ	NNW	.5	2.4	2.5	•4							L	6.2	6.8
į	VARBL		<u> </u>					ز					/ <u>'</u>	
į	CALM		><	$\geq \leq$	><	><	><	><	$\geq <$	$\geq <$	><	$\geq$	3.0	
		6.1	28.0	45.5	14.7	1.9	.3	•0					100.0	7.8

YOTAL NUMBER OF OBSERVATIONS 2805

USAFETAC  $_{\mathrm{JR}}^{\mathrm{FORM}}$  0-8-5 (QL A) previous editions of this form are obsolete

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<del>4</del>	MILL	IAMS AF	STATION	HAME	MINDEEK		42-	14	<del></del> -	EARS	<del></del>		- <del>- J</del>	UN -
						ALL WE	ATHER							-2000
						Ct	~\$4						MOVE	(L.S.T.)
		_												
						CON	DITION							
Γ	SPEED	1								<u> </u>				MEAN
	(KNT5) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	WIND
L											ļ			
	N	1.4	2.0	.9	• ]	0							4.4	4.9
┝	TINE	.4	.3	•2	•1	.0						<b> </b>	1.0	6.6
-	NE_	.2	.3	1	•2					<u> </u>	<del> </del> -	<del> </del>	•7	7.0
-	ENE			•2	•0	.0							•3	9.3
_	E ESE	.2	2	.3	-1		1				<del> </del>	!	.9	10.1
┝	SE	•0	.2	•1	•1	.1	•0			[	<del> </del>	<del> </del>	1.0	10.1
┝	SSE	· 2	•2	•2	•2	•0	•1				<del></del>		• 7	8.0
$\vdash$	5	.2	•2	•2	•2	.2	O				<del> </del>		1.0	10.2
┢	SSW	.2	•2	•7	•5	•3	•0			<del></del>	<del></del>		2.0	10.9
	sw	.7	. 8	1.8	1.6	.2	•0				<del> </del>	t	5.2	9.3
$\vdash$	WSW	.9	1.7	2.0	•7	.2				<del>                                     </del>	<b> </b>		5.5	7.3
	w	1.8	4.8	4.3	.9	• 1							11.8	6.6
	WNW	2.0	5.4	6.2	1.1	•0							14.8	6.7
	NW	4.5	8.9	7.3	1.0	.1							21.9	6.0
	NWW	4.1	6.3	3.9	.5								14.7	5.4
	VARBL													
Г	CALM		$\searrow$			$\searrow$		> <	$\sim$	$\sim$			13.6	``
1							<b>←</b>				$\leftarrow$			<del></del>
		16.8	31.3	28.5	7.3	1.5	.4		i	1		I	100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2599

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0 8-5 (QL A) previous editions of this form are obsolute

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	ะบท
STATION	STATION NAME	YEARS	HTHOM
	2100-2300		
		CLASS	HOURS (L S.T.)
		CONDITION	

SPEED (KNTS) DIR.	î - 3	4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	1.1	. 3	•0								3.3	4.0
NNE	.8	•6	.3	•0						<u> </u>		1.7	4.8
NE	.5	• 4	• 1	• 1								1.1	4.7
ENE	.8	• 5	.3	•0						,		1,6	4.4
E	2.0	1.6	• 5	•0					·			4.1	4.2
ESE	2.0	1.4	.7	• 2	.1							4.3	5.1
SE	2.1	1.7	.9	• 5	•1	•1			1			5.3	5.8
SSE	1.2	• 5	.4	•2								2.3	5.0
S	1.0	1.1	• 5	• 2	.0	•0						2.8	5.7
SSW	. 8	1.4	1.3	• 5	.2							4.2	7.0
SW	1.7	3.1	2.3	•5	.0			Γ				7.6	6.2
WsW	.9	1.4	1.3	•1	• 1							3.8	6.0
w	1.1	2.1	•7									3.9	4.8
WNW	1.2	1.8	•6				l .					3.6	4.7
ММ	1.9	2.5	.7	• 1								5.2	4.7
NNW	2.1	1.3	• 5		.0			T	T			4.0	4.2
VARSL										1	T		
CALM		$\geq <$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$		$\geq \leq$		41.1	
	21.9	22.5	11.3	2,6	• 6	•1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 2377

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (0), A) PR. VIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZUNA/CHANDLER	42-65,60-72,74	JUL
STATION	STATION NAME	YEARS	итион
	ALL	WEATHER	0000-0200
		CLASS	HOURS (L S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 50	≥56	%	MEAN WIND SPEED
N	.5	.6	.4	• 1	.0							1.7	5.9
NNE	.5	.4	.4	•2								1,5	6.3
NE	. 8	.7	• 4	•1	.0							2.1	5.5
ENE	.7	.7	•7	•1	.0							2.3	5.7
E	3.5	2.9	2.3	• 2	.1	•0				Ī		9.1	5.6
ESE	3.1	4.0	5.0	1.9	.5		•0					14.5	7.2
\$E	3.6	5.3	6.5	1.5	.5			.0	-			17.6	7.0
SSE	1.3	2.1	2.6	. 8	• 2	•0						7.1	7.0
S	1.3	1.3	1.0	.5								4.0	6.0
ssw	.6	1.1	• 4	. 4								2.5	6.1
sw	.9	1.1	٠Ó	• 2	•0							2.8	5.6
WSW	.8	.4	• 2								·	1.4	4.4
W	.6	.7	- 4	•0								1.8	5.3
WNW	.5	• 2	• 2									1.0	4.4
NW	1 .8	• 5	• 4	• 1	.0							2.0	5.8
NNW	.4	• 4	• 5	•0				!				1.3	5.6
VARBL													
CALM		>>	>>	><					$\boxtimes$			27.3	
	19.9	22.6	22.2	6.3	3.6	• 1	•0	.0				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2079

USAFETAC  $_{JUL~64}^{FORM}$  O 8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION MARE

ALL WEATHER

CONDITION

CONDITION

CONDITION

SURFACE WINDS

SURFACE WINDS

AIR WEATHER 0300-0500

NOURE (LIET.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.4	• 2	• 0						<del></del>		1.2	4.7
NNE	.5	3	. 1									•8	3.7
NE	.9	9	• 3									2.1	4.4
ENE	1.3	1.6	.7	•0					l			3.6	4.8
E	3.5	6,8	3.6	.4								14.3	5.5
ESE	3.2	8.2	6.6	•9	•1							19.0	6.2
SE	3.3	7.3	8.7	1.4		i						20.7	6.5
SSE	1.3	2.4	2.0	. 3	•0					ļ		6.0	6.0
S	.7	],,,1	•4	.1								2.3	5.3
SSW	• 7	•	• 3	• 2				1		1		1.6	5.6
sw	.6	.6	•3	.0	.0							1.6	5.3
WSW	• 3	.2	.1									•6	4.0
w	• 6	. 5	• 2									1.3	4.1
WNW	ر) و	.3	• 1									.4	5.0
NW	. 3	.5	• 1	•0								1.0	4.9
NNW	.6	3	• 3									1.2	4.7
VARBL										Ī.			
CALM	X	$\times$	><	><	$\geq \leq$	><						22.4	
	18.5	31.6	23.9	3.4	.2							100.0	4.

TOTAL NUMBER OF OBSERVATIONS 2307

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74		JUL
STATION	STATION HAME		YEARS	MONTH
	ALL W	IEATHER		0600-0800
		CLASS		HOURS (L.S.T.)
	Ç.	ONDITION	<del></del>	

SPEED (KNTS) DIR.	1.3	4+5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
И	• 5	• 3	•3									1.0	4.8
NNE	.3	. 3	• 1	0								• 7	5.0
NE	• 6	.8	• 4							1		1.7	4.5
ENE	.9	1.0	.1									2.0	3.9
E	2.3	5.3	3.0	• 3	.0							11.0	5.6
ESE	3.1	8.5	8.4	1.1	•0							21.1	6.4
SE	3.6	9.3	9.9	1.5	.1							24.3	6.5
SSE	1.7	2.7	2.0	•2								6.6	5.6
\$	8.	1.1	. 5				Ĭ					2.4	4.8
ssw	. 2	.4	.3	•0								•9	5.5
sw	5	. 8	• 3	•0								1.6	4.8
WSW	• 5	. 5	. 3									1.3	4.5
W	_ • 5	1.0	.3									1.8	4.6
WNW	.4	.5	• 1									1.0	4.1
NW	.4	• 5	.5				T -					1.3	5.2
NNW	.5	• 2	• 3	•0								1.0	5.2
VARBL													
CALM	$\geq \leq$	><	$\geq <$	$\geq$	$\times$	$\geq$	$\boxtimes$	$\boxtimes$	$\boxtimes$			20.4	
	16.7	32.9	26.7	3.2	. 1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2789

USAFETAC  $\frac{F_{\rm C} \, {\rm Im}}{{\rm JU} \, 64} \, {\rm J-8-5}$  (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-74 YEA	15	JUL
era i con			••	0900-1100
	ALL I	NEATHER	_ <del></del>	HOURS (L S T.)
				MODES (C & 1.1)
		- <del></del>	·········	
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 8	. 3	•2	.1								1.3	4.1
NNE	• 2	• 2	.1							i		5ء	4.6
NE	.4	. 3	• 1	.0								• 8	4.2
ENE	.4	.2	• i	• 1								. 8	4.3
Ę	1.0	1.0	• 2	• 1								2.3	4.4
ESE	1.3	1.9	1.6	.5								5.3	6.4
SE	2.2	3.7	3.9	1.1	. 1		Ì					10.9	6.5
SSE	2.1	3.6	2.7	.4	• C	Ĺ		İ				8.8	5.8
S	2.3	3.2	1.3	_ 1								6.9	4.8
ssw	1.0	1.6	.7									3.3	4.9
sw	1.8	2.1	• 9	1	•0							5.0	4.9
WsW	1.4	3.4	1.0					l				5.9	4.8
w	2.8	5,2	2.2	l								10.2	5.0
WNW	1.8	3.6	2.7	. 1								8.3	5.6
NW	1.3	2.3	2.2	.4								6.3	6.1
NNW	. 9	.6	.6	, 2								2.2	5.4
VARBL													Ĺ
CALM	$\mathcal{N}$	><	><		$\geq <$	$\supset <$		$\triangleright <$	><	$\supset <$		21.1	
	21.7	33.2	20.5	3.3	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2942

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB	ARIZUNA/CHANDLER	42-74		 JUL
STATION		STATION NAME		YEARS	MONTH
		ALI	WEATHER		1200-1400
			CLASS		HOURS (L S.T.)
	<del></del>		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	• 2	•2									•7	4.5
NNE	. 3	1	• 1									.5	4.1
NE	• 2	.1	• 1									•3	4.9
ENE	. 1	.0	• 1	•0								• 2	6.9
Ε	.3	• 3	• 2	•0								• 8	5.0
ESE	.2	.4	.3	• 1	•0							1.1	7.0
SE	. 4	1.2	8.	. 2.	.1							2.7	6.8
SSE	.6	1.0	1.1	• 3	.0							3.0	6.4
S	.7	1.2	1.3	• 2	.0							3.4	6.2
ssw	.7	1.4	.9	• 1					[			3.1	5.8
sw	1.1	1.9	1.9	• 1	.1							5.0	6.0
Wsw	1.2	4.5	3.9	• 4							, ,	9.9	6.3
w	2.2	10.1	13.1	1.2	.0							26.6	6.9
WNW	1.5	6.1	11.4	1.7	•1							20.7	7.4
NW	1.3	4.4	5.6	• 8								12.1	6.9
NNW	.6	1.4	1.4	• 2								3.6	6.3
VARBL													
CALM	$\geq \leq$	$\ge$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$		6.3	
	11.6	34.1	42.3	5.4	. 4							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2952

USAFETAC  $_{JUC.64}^{FORM}$  0-8-5 (QL. A) previous editions of this form are obsolete

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-74 YEARS	JUL
	ALL	WEATHER CLASS	1500-1700 HOURE (L.S.T.)
		CONDITIOA	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.5	. 5	.4	• 1	•1							1.6	6.2
NNE	. 2	. 1	.3	•0	•0							.7	7.1
NE	• 2	• 1	• 2	•1	•0	• 1						.7	10.i
ENE	• 1	.1	• 1		•1	•1			,			• 5	10.9
E	•1	• 2	.3		•0		•0					•6	8.8
ESE	•0	• 2	•4	•2	.0	•1		.0				1.0	10.8
SE	• 2	.5	.7	.2	.1		•0					1.6	8.4
SSE		•2	• 5	•2	•0							1.0	8.8
5	. 3	.4	•5	•2	•0							1.4	6.7
ssw	• 2	.5	• 4	• 1								1.2	6.5
sw	. 4	1.1	• 9	• 3	• 1							2.8	5.8
wsw	.5	2.0	2.0	•2								4.6	6.5
w	1.5	8.1	10.9	2.2	•0							22.8	7.3
WNW	1.6	7.6	13.9	4.5	• 2							27.8	8.7
NW	1.5	5.8	12.3	2.3	.1		•0					22.0	7.8
NNW	.7	1.9	2.8	.4	•0							5.8	6.9
VARBL													
CALM	$\supset <$	$\times$	$\times$	$\times$	$\times$	> <	> <	> <	$\geq$	$\boxtimes$		4.0	
	8.0	29.3	46.4	11.1	.9	• 2	•1	.0				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2854

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER STATION NAME	42-74 YEARS	JUL
1	ALL WE	ATHER	1800-2000 HOURS (L.S.T.)
		Trans	

SPEED													MEAN
(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
N	.9	1.2	1.3	, ó	.2	.1	1					4.4	8.1
NNE	3	. 5	•6	.6	.2	1	•0					2.3	10.2
NE	.1	.2	.5	.8	.2	-1	•0			<u> </u>		2.0	12.1
ENE	.1	.1	.4	. 4	. 2	1					<u> </u>	1.3	11.6
E	.2	.3	.6	.7	.2	-1	0	.0				2.7	11.5
ESE	<u> </u>	.7	.8	.7	.3		<u> </u>				<u> </u>	2.8	11.0
SE	.2	1.0	1.2	1.0	.2	.0		•0		<u> </u>		3.6	9.9
SSE	1	.7	.6	.4		-1	.0		ļ			2.4	10.3
5	.5	.7	•0	•2	1	1				<u> </u>	<b></b> _	2.3	7.8
SSW	• 2	.4	.3	.3		-0			ļ	ļ	ļ	1.3	8.5
SW	.7	. 8	.9	.3	.1	• 1						3.0	7.4
WSW	.9	1.6	6	,2	.0	-0						3.4	5.7
	2.7	5.4	3.3	.3	<u>•0</u>						ļ	11.7	5.6
WNW	2.8	6.8	5.3	.8								15,9	6.1
NW	4.0	6.9	6.2	.9	•0					ļ		18.0	6.0
W./1	1.9	3.5	2.5	.4		•0						8.3	5.9
VARBL										Ļ			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.0	
	15.9	30.9	25.8	8.6	2.4	1.0	.3	1		<u> </u>	<u> </u>	100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2673

USAFETAC  $_{\rm JUL~64}^{\rm FORM}$  0-8-5 (OL A) previous editions of this form are obsolete

DATA PRUCESSING BRANCH

ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZUNA/CHANDLER
ETATION NAME

ALL WEATHER

CONDITION

CONDITION

SURFACE WINDS

SURFACE WINDS

SURFACE WINDS

AIR WINDS

FROM HOURS (LET.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥.56	*	MEAN WIND SPEED
N	1.0	.9	• 9	• 3	• 0							3.3	6.1
NNE	• 5		• 5	•2								1.7	6.6
NE	•6	• 9	• 7	•2	• 1	•0						2.5	7.0
ENE	• 2	.6	•7	•0	•0		•0					1.7	7.2
E	1.1	•9	1.2	•7	• 2	• 1	• 1					4.2	8.1
ESE	1.6	2.4	1.9	. 9	.7	• 2						7.7	8.0
SE	1.8	2.7	4.7	2.0	7	_ •1	•0	•1				12.1	8.5
£ 3E	.9	1.9	2.2	1.2	.3	•1						6.5	8.2
S	1.5	1.7	1.3	.5	.2		•1					5.3	6.8
SSW	.7	1.6	. 8	•6	.3	•0	•0					4.0	7.9
SW	.9	1.9	1.3	• 3	•0	•0						4.5	6.4
wsw	• 5	1.2	• 5	•2								2.5	6.0
w	1.6	1.1	• 2	• 1		- 1						3.1	4.5
WNW	1.0	1.2	.7	. i						Ī		3.1	5.2
NW	1.6	1.9	• 5	• 1								4.1	4.6
MMM	1.2	1.1	• 2	•1	.0							2.7	4.7
VARBL													
CALM	$\geq \leq$	$\times$	$\times$	X	X	$\geq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	31.0	
	16.7	22.4	18.5	7.8	2.5	.7	.3	•1				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

2422

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZUNA/CHANOLER 42-60,63-65,70-71,72-74 AUG

STATION NAME

ALL WEATHER

CONDITION

CONDITION

AUG

NOWTH

OO00-0200

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
И	.5	. 8	• 5	• 1								1.9	5.6
NNE	.4	• 4	•6	.1								1.5	6.2
NE	ر 7	,4	• 4	• 2		•0						1.8	6.1
ENE	. 9	3,8	•4	• 1								2.2	5.0
E	2,4	3.4	1.7	•5	•0			•0				8.2	5.5
ESE	2.6	4.4	4.0	. 4		•0						11.4	5.9
SE	2.8	6.,13	5.4	1.2	•0	•0						16.1	6.3
SSE	1.9	2.7	1.7	.7	• 1							7.1	6.1
\$	• 9	1.4	. 8	<u>•</u> 1								3.2	5.4
ssw	.7	1.2	. 3	• 1	•0							2.4	5.3
SW	1.3	•9	•4	• 1	.1							2.8	5.0
WSW	. 9	• 5	. 3		0							1.8	4.6
W	.9	.7	• 0	•0							i	1.6	3.3
WNW	• 3	• 2	.4	•1								1.1	6.5
NW	.7	.7	.3					I				1.7	4.3
WKK	. 8	• 2	.5	• 2	•0			1	I		i	1.8	5.8
VARBL							[	l					
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	33.5	
	18,7	25.3	17.8	4.1	.4	.1		.0				100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2068

USAFETAC  $_{AU,~64}^{\rm FORM}$  0.8-5 (OL. A) previous editions of this form are obsolete

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DATA PROCESSING BRANCH

ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

(
23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

FIATION MANE

ALL WEATHER

O300-0500

CLASS

ROWER (L.S.T.)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	.6	•2							<del></del>		1.2	4.6
NNE	.5	.5	.1	•1								1.2	5.3
NE	.7	• 9	• 2	• 1								1.6	4.8
ENE	1.2	1.4	• 5	• 1	. 1							3.3	5.1
E	3.6	6.5	3.0	• 4	• 0							13.6	5.2
ESE	4.5	9.7	5.4	•6								20.2	5.6
SE	3.8	8.9	5.9	• 5	• 1							19.2	5.7
SSE	1.8	2.1	1.0	•4	• 1							6.0	6.0
\$	.7	. 8	• 4			•0						1.9	5.2
ssw	•5	.4	• 2									1.1	4.3
S₩	. 8	.5	. 3	•								1.6	4.4
WSW	اذ و	• 2	• 2									•7	4.4
W	• 3	.3	•0							-		.7	4.2
WNW	.1	.3	• 1									• 5	4.7
NW	•6	. 3	• 1									1.0	4.0
NNW	.3	.4	• 1		<u> </u>							.8	3.8
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\times$	$\frac{1}{1}$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	> <	25.1	
	20.1	33.9	18.2	2.4	.3	•0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

2336

USAFETAC FORM 0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE GBSOLETE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZINA/CHANDLER 42-74

STATION FAVOR RANK 42-74

ALL IVEATHER 0600-0800

CONDITION

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	42 - 55	≥.56	%	MEAN WIND SPEED
N	. 3	.4	• 1						i .	i		. 8	4.2
NNE	• 5	• 2	• 2	•0	•0							• 9	5.2
NE	.7	•9	•1	• 1								1.8	4.6
ENE	1.1	• 9	• 3		.0	•0						2.4	4.6
Ε	3.5	6.7	3.8	• 1	.0							14.1	5.2
ESE	4.0	10.2	6.2	.7	•1							21.2	5,8
SE	3.6	10.5	8.7	1.0	• 1	•0		,				23.9	6.l
SSE	1.8	2.7	2.5	•2						T		7.3	5.8
S	1.1	•7	• 2	•0								2.0	4.1
SSW	.4	. 6	•2	• 1								1.3	5.4
SW	• 2	• 5	•2	•0								•9	5.0
WSW	•2	• 3	•1									.7	4.8
W	•4	• 3	•1					l				• 0	4.2
WNW	• 4	•2	•1							Ĭ		8.	4.1
NW	• 4	.4	•2		.0			T				1.0	4.7
NNW	• 2	•1	•1	•0				i				• 5	4.8
VARBL							i						
CALM	$\searrow$	$\times$	$\times$	$\geq$	$\geq$	$\times$	$\geq$	$\geq$	$\geq$	$\geq$		19.6	
	18.9	35.7	23.1	2.4	,3	•1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2879

USAFETAC FORM  $_{AR..64}$  0.8-5 (VL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74	AUG						
SIAINA									
		ALL WEATHER  CLASS							
	CC	MOITION							

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.5	• 3	.1									• 9	4.0
NNE	.4	• 2	٠l	•0								.7	4.3
NE	• 4	.3	• 2	• 1								• 9	5.0
ENE	.4	• 3	• 2		•0							• 9	4 • 8
E	1.2	1.3	• 8	• 3	•0							3.6	5.6
ESE	1.2	2.5	1.8	•6	• 1							6.2	6.4
SE	3.0	6.6	5.3	• 8	• 1							15.8	6.2
SSE	3.0	5.4	2.9	• 5								11.8	5.5
\$	2.6	3.1	1.2	• 1								7.0	4.6
SSW	1.6	1.5	• 9	• 1	•0							4.1	4.9
sw_	1.9	1.7	• 3	• 1								3.9	4.0
WSW	1.6	1.5	• 4									3.6	4.1
w	2.3	3.2	• 8	• 1								6.4	4.5
WNW	1.1	2.3	• 8	•0								4.2	4.9
NW	1.5	1.5	1.1									4.1	4.8
NNW	.4	. 5	.3	.0								1.2	4.8
VARBL													
CALM	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	24.7	
	23.1	32.2	17.1	2.7	•2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 3045

USAFETAC FORM 0-8-5 (OL A) previous editions of this form are obsolet

DATA PROCESSING BRANCH ETAC/USAF SURFACE WINDS 2 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND • DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) WILLIAMS AFB ARIZONA/CHANDLER 1200-1400 HOUPS (L S T.) ALL WEATHER MEAN WIND SPEED SPEED (KNTS) DIR. 1 - 3 4 - 6 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 5.4 .5 .2 •0 .0 1.3 .2 • 5 NNE 4.8 • 5 6.6 ENE 4.9 • 2 • 2 •0 •0 .4 •6 •7 .7 • 3 •0 1.5 7.1 ESE .5 2.0 6.2 • 1 .0 1.4 •0 SE . 8 1.9 4.5 6.4 • 4 6.5 •9 4.6 SSE 1.6 1.6 •4 2.3 5 1.3 1.5 •2 5.3 5.5 5.6 1.0 1.2 1.8 •2 4.1 1.8 •1 3.6 6.5 5W 10.0 3.5 6.1 WSW 4.6 •5 22.<u>1</u> 15.5 6.3 2.5 11.0 8.1 1.9 6.8 WNW 6.0 5.8 5.4 4.5 3.3 ( NW .1 2.7 NNW .9 1.0 .6 • 2 VARBL 9.2 C CALM 100.0 5.4 C TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $_{
m JOL~64}^{
m FORM}$  0-8-5 (QL A) previous editions of this form are obsolete

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### **SURFACE WINDS**

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	AUG
STATION	STATION NAME	YEARS	HTHOM
	ALL N	WEATHER	1500-1700
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 5	1.1	.6	.1	•0							2.3	6.0
NNE	• 2	• 1	.2	•0						i		• 4	5.8
NE NE	•2	•1	• 2	•0	• 1							• 5	7.4
ENE	•1	.1	• 2	•0		•0						• 4	8.8
E	.2	•2	•1	•1	•1	•0		i		<b></b>		•7	8.2
ESE	• 1	• 2	•3	•2	•0	•0						1.0	9.0
SE	.3	•4	•6	.3	•1	•1						1.9	8.9
SSE	.5	•7	.8	•2	•0							2.2	7.0
S	• 4	1.0	1.0	•2	•1	•0	•0					2.7	7.6
SSW	.4	•7	•6	•2	•0	•0						2.0	6.9
sw	.9	1.6	1.0	•4	•1							4.0	6.4
wsw	1.1	2.9	2.6	•3	•							6.9	6.3
w	2.0	9.0	10.5	1.3	.0							22.9	6.7
WNW	2.4	8.9	11.7	1.0	•0							24.0	6.8
NW	2.0	6.6	6.8	• 9	•1				i — —			16.4	6.6
NNW	.6	2.7	1.9	•2	•1				i			5.6	6.3
VARBL									i	<u> </u>			
CALM	><	$\geq \leq$	$\geq$	$\times$	> <	$\geq <$	>	$\geq$	$\geq$	$\geq$	><	5.8	
	11.9	36.3	39.2	5.6	•9	•2	•0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2940

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER STATION MARKE	42-74 YEARS	AUG						
	ALL W	ALL WEATHER							
		CLASS	HOURS (L S.T.)						
	CO	NPITION							

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.8	• 9	• 8	• 3	• 0						5.3	6.9
NNE	.3	.6	• 9	.7	•1							2.7	8.6
NE	.4	• 5	• 4	• 2	1	• 1	•0					1.7	8.9
ENE	.1	• 2	•5	• 2	. 2							1.3	10.1
E	.4	.4	•6	• 5	.2	. 3	٠0			-0		2.4	11.7
ESE	•6	•6	• 9	•6	_ 3	- •1	• 1					3.2	9.5
SE	.4	5	1.3	1.0	. 3	_ • i	· · · · · · · · · · · · · · · · · · ·	.0				3.7	10.3
SSE	.8	.6	<u>.</u> 7	• 4	_ •3	_ •0	•0	.0				2.9	8.6
S	•6	. 8	. 5	.3	1	_ •1						2.5	7.0
ssw	.5	•6	.9	• 3	• 1							2.4	7.4
sw	1.0	1.2	1.2	•4	• 1	•0						3.9	6.9
WSW	1.2	1.7	•9	• 1								4.0	5.1
W	2.6	5.1	1.8	• 1	• 1							9.7	5.0
WNW	3.5	4.7	4.0	• 4								12.6	5.6
ИW	3.9	6.3	3.5	• 2	• 0							14.0	5.3
NNW	2.1	2.7	1.0	• 3	• 2	•0						6.4	5.4
VARBL													
CALM	$\geq \leq$	$\geq <$	$\times$	$\times$	$\ge$	$\times$	$\geq \leq$	$\geq \leq$	$\geq$	$\boxtimes$	><	21.6	
	19.8	28.5	20.0	6.5	2.5	• 8	• 2	•1		.0		100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2770

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74	AUG
STATION	STATION NAME	YEARS	MOMTH
	ALL W	IFATHER	2100-2300
		CLASS	HOURS (L.S.T.)
	- C	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	.8	•9	• 2	•1							3.7	5.7
NNE	.7	.7	•5	•2					i			2.0	5.8
NE	.8	.8	•7	•1	.3				1			2.7	6.9
ENE	.9	.7	•5	•2	• 1	•2	1			<u> </u>		2.5	7.0
E	1.8	1.6	1.4	• 4	•2							5.4	5.9
ESE	1.8	2.2	1.5	•8	• 1	•1	•0	•0				6.5	6.7
SE	2.5	3.4	3.9	1.4	• 4	• 2	•0					11.6	7.4
SSE	1.5	2.7	1.5	1.0	• 3	•0						7.0	7.0
\$	1.7	1.2	•6	• 4	• 2							4.1	5.7
ssw	• 8	• 9	• 5	•4	• 1							2.6	6.5
SW	1.3	1.8	1.3	• 2								4.6	5,6
WSW	• 4	• 8	• 5	•1	•0							1.8	6.4
w	1.1	1.0	• 5	• 1								2.7	5.0
WNW	•9	• 8	•5									2.3	4.6
NW	1.5	• 8	•6	• 1								3.0	4,7
NNW	1.0	.7	•5	• 2								2.5	5.3
VARBL													
CALM	$\geq <$	><	><	><	><		$\geq <$	$\geq <$	$\supset <$			J5.1	
	20.2	20.9	15.9	5.6	1.8	• 5	•1	.0				100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

2438

USAFETAC FORM 0 8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER 42-60 6	63~65,72~74 YEARS	SEP
	ALL WEATHER		0000-0200 HOURS (LS T.)
	CONDITION		

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
×	• 4	•4	•3	•1								1.1	4.9
NNE	•5	.3	• 1				• 1					• 8	5.6
NE	1.0	.7	• 3	• 1		• 1					1	2.2	5.7
ENE	1.0	1.3	•5								1	2.7	4.7
E	3.5	4.7	1.7	• 3						1		10.1	4.8
ESE	4.6	5.5	4.3	• 5								14.9	5.5
SE	5.2	6.9	5.7	• 3								18.1	5.5
SSE	2.4	3.1	1.7	• 3								7.5	5.3
S	1.6	• 8	• 4	•1	. 1							2.9	4.4
SSW	•9	•1	• 3	• 2								1.5	5.3
sw	.7	•6	•1							Ī		1.3	4.0
WSW	• 5	•1	• 2									•7	3.9
w	•6	• 1	• 1							Ī		•8	3.4
WNW	•2	• 2	• 2									•6	5.3
NW	.4	.3		•1								.7	4.5
NNW	• 2	•1	• 1						T			• 3	4.2
VARBL													
CALM	><	><						> <			><	33.7	
	23.5	25.0	15.8	1.8	.1	• 1	.1					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1974

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OPSOLET

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74 YEARS	SEP MONTH
	ALL W	0300-0500 nouns (L.S.T.)	
		MDITION	,

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	.1	3	.0			1					.8	5.4
NNE	• 4	• 3	•2	.0								•9	5.3
NE	.8	. 8	_ • 5	•0	•0							2.2	5.5
ENE	1.0	1.8	.9	•0								3.7	5.2
E	5.2	7.7	3.2	.3								16.4	4.8
ESE	5.6	8.6	6.3	.4								20.9	5.5
SE	5.2	9.2	5.4	.4							<u> </u>	20.2	5.4
SSE	1.6	2.3	.8	.0				i				4.8	4.6
S	1.0	.6	• 3	•0	.0					<del> </del>		2.0	4.6
ssw	.4	.3	1	.0								.8	5.0
sw	• 3	.3	1		• 0							•8	5.3
WSW	•0	•0	•0	.1								•2	9.4
w	•4	• 2	0							<u> </u>		•6	3.7
WNW	•0	•2	.1									•3	5.1
NW	• 4	.1	.1						I			•6	3.7
NNW	• 5	• 3	0	•0								•9	4.2
VARBL						•							
CALM	$\geq \leq$	$\geq <$	$\geq <$	$\geq$	$\times$	$\geq$	$\geq$	$\geq$	$\boxtimes$	$\geq <$		23.9	
	23.1	32.8	18.5	1.6	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2221

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OF SOLETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74 YEARS	of i
		WFATHER CLASS	0600-0-500 HOURS (L S T.)
		CONDITION	

SFEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	. 1	• 2							<u> </u>		-6	5,5
NNE	• 3	• 1	• 3	•0						1		• 8	5.4
NF	1.1	.7	.7	•1				i				2.5	5.1
ENE	1.1	1.6	•4	•2				i		i		3.4	5.0
E	4.1	8.4	3.3	• 3	.0	•0		<del>                                     </del>				6.2	5.1
ESE	5.0	10.5	7.3	• 4	•0				<del>                                     </del>	i	i	23.2	5.6
SE	3.9	10.0	7.1	.6					i	<del></del>		21.5	5.8
SSE	2.1	3.4	1.5	•2				<u> </u>	<u> </u>	j	i	7.2	5.0
S	•6	•9	• 3	•1				<del> </del>	i	l		1.9	4.8
SSW	• 2	• 2		•1				i — —				•5	5.4
SW	•6	•2	.0	•1	.0			i	1			•9	4.9
WSW	•1		•0					i		1	i	• 1	3.8
w	• 3	• 1	•1					i		i		•5	4.3
WNW	• 3	•1	•0				i		i			.4	3.9
NW	• 2	• 2	•1	i					l	i	i	.6	4.5
NN '	• 3	• 3	•1							<del> </del>		.7	4.3
VARL							l		l	<del> </del>			
CALM		$\times$	$\supset \subset$	$\supset \subset$	> <	> <	> <					19.2	
	20.5	36.7	21.5	2.0	.1	•0						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2708

USAFETAC  $\frac{\text{FORM}}{\text{AA 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SEP
KTHOM
900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	42 - 55	≥56	%	MEAN WIND SPEED
N	.3	•2	•2	•1		•0						•9	6.4
NNE	• 3	•2	• 1	• 1								.8	5.7
NE	.3	•2	. 4	•2								1.1	7.3
ENE	•6	•2	• 3	• 1	•0							1.2	5.7
E	1.4	1.2	1.6	1.5	• 2							5.9	7.8
ESE	2.0	2.7	2.6	_ 2.0	.4							9.7	7.9
SE	3.6	5.9	5.8	1.7	• 2							17.2	6.7
SSE	2.9	4.6	4.4	1.0	.1							13.0	6.2
S	2.3	2.8	1.9	• 1	.0	•0						7.2	5.3
SSW	1.3	• 9	.8	• 3	•0							3.3	5.5
sw	1.4	1.2	•6	.3	.0							3.5	5.2
wsw	1.0	1.2	.4	• 1				Ī				2.7	4.7
w	1.8	1.5	• 3									3.6	4.0
WNW	1.3	. 9	•4		.0							2.7	4.2
NW	1.0	.8	• 2	.0								2.1	4.2
NNW	.4	. 5	.1									1.0	4.2
VARBL													
CALM	><	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\boxtimes$	$\geq$	$\geq$	$\boxtimes$	><	24.1	
	21.9	25.1	20.2	7.6	1.1	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 2893

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZUNA/CHANDLER	42-74	SEP
STATION	STATION MANE	TEARS	MONTH
	ALL N	MEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
	<del></del>		
	•	CONDITION	
•			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	24 -	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•5	.3	•1	•1	•0		•0					1.2	6.4
NNE	•0	.2	•1	•3	•1	•0						• 7	11.2
NE	•2	•2	• 1	•1	•1							.7	8.2
ENE	• 2	•1	•2	•1	•0							.7	7.7
E	• 4	.8	1.2	.7	•1	•0					i	3.2	8.5
ESE	•6	1.1	1.9	1.2	• 2	• 1		•0			<del> </del>	5.1	9.2
SE	.8	2.0	2.7	1.2	• 2	•1						6.9	8.3
SSE	1.0	1.7	3.1	1.0	•1							7.0	7.6
S	2.0	2.0	1.9	• 5	•1							6.6	5.9
SSW	•9	1.8	1.4	•4	•2							4.8	6.9
SW	1.8	2.8	1.9	.4	•1							7.0	6.0
WSW	1.7	3.9	2.7	•3		•0						8.6	5.8
w	3.3	8.1	4.8	• 1								16.3	5.5
WNW	1.7	3.7	3.9	•2	•1							9.6	6.2
NW	2,0	3.2	2.0	•1								7.4	5.4
NNW	•6	1.0	• 5									2.1	5.1
VARBL													
CALM	$\times$	>>	$\times$	$\times$	$\times$	>>	$\times$	>	$\geq$	$\geq$	$\boxtimes$	12.3	
	17.7	33.0	28.4	6.8	1.4	.3	•0	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2900

USAFETAC  $\frac{\text{FORM}}{\text{AR-64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74	SEP WONTH
	ALI	L WEATHER	1500-1700 HOURS (L.S.T.)
	<del></del>	COMPLTION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	•7	•5	.1	.0	•0						2.2	6.0
NNE	.0	• 3	•2	. 4	.1	•0						1.1	10.4
NE	.1	. 3	•4	• 2		•0						1.1	8.6
ENE	.1	. 2	•0	•1								.4	6.6
E	.4	• 4	1.2	• 5	•1	•1						2.7	8.9
ESE	.4	.5	.7	•6	.3	• 1					<u> </u>	2.6	9.8
SE	.4	1.0	1.8	- 8	.3	-1						4.4	8.9
SSE	•5	•7	1.5	• 2	• 1						L	3.1	7.4
5	.6	1.2	1.0	.2	.0							3.0	6.5
ssw	.5	7	1.0	•5	• 1	•0	•0	l		L		2.9	8.2
sw	8.	1.7	1.5	• 9	. 1							5.0	7.4
WSW	1.0	3.3	2.5	• 5	.0							7.3	6.3
w	3.1	10.2	7.2	• 5	.0							21.2	6.0
WHW	2.2	7.4	8.1	.4	.0	•0						18.2	6.5
NW	2.5	5.6	5.1	•5								13.7	6.0
NNW	•9	1.9	1.5	• 1	.0							4.4	5.9
VARBL													
CALM	$\geq \leq$	$\times$	$\times$	$\times$	$\times$	X	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	6.9	
	14.5	36.1	34.2	6.5	1.4	.4	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2810

USAFETAC  $\frac{\text{FORM}}{\text{AR. 64}}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74	SEP
BIATAN	PIATION NAME	YEARS	MTHOM
	ALL_W	EATHER	1800-2000
		CLASS	HOURE (L.S.T.)
	a	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.0	1.7	•9	•2	.1	•0						4.9	5.2
NNE	. 8	•8	•3	•3	•0	•0	•0					2.3	6.5
NE	• 8	.8	• 3	•3	•1							2.3	6.3
ENE	•6	• 5	• 5	•2						1		1.8	5.8
E	.7	1.3	•6	•5	•2							3.2	6.8
ESE	, 9	1.2	•6	•4	.1	•2	•0			<u> </u>		3.5	7.5
SE	1.0	1.3	1.1	•4	•2	•1						4.0	7.1
SSE	•7	. 8	.8	•2	•1	•1						2.7	7.4
5	•6	• 5	• 3	•2		•0		Γ	.0			1.6	6.9
SSW	.6	.7	•4	•2	•1							2.0	6.0
sw	. 7	•9	•7	•3	•1							2.7	6.4
wsw	.8	1.4	•4	•2								2.8	5.1
W	2.3	3.8	.8	•1	•0							7.1	4.5
WNW	3.3	3.9	1.8	•1	•1							9.2	4.9
NW	4.3	4.7	1.6	•1								10.6	4.5
NNW	3.0	3.5	1.0		•0							7.6	4.5
VARBL										1			
CALM	$\geq <$	> <	$\times$	$\times$	$\times$	$\times$	> <	$\times$	$\supset <$	$\times$		31.7	
	23.1	28.0	12.1	3.5	1.0	• 5	.1		.0			100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0 8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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TW
2300
\$.7.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.9	• 3	.1	•0	•0						2.7	4.9
NNE	.7	.4	• 3	•1			• 0					1.5	5.6
NE	lei	1.1	•4	•?								2.7	5.0
ENE	1.9	1.3	. 3	• i							ļ —	3.6	4.0
E	4.0	2.5	1.1	• 2	7,1	• 1				1	!	8.0	4.9
ESE	2.8	3.5	2.0	.5	• 1							8.9	5.4
SE	4.4	4.1	2.5	.9	.1	•1						12.1	5.6
SSE	1.4	1.1	1.0		.1						1	3.9	5.9
\$	1.0	1.1	• 5	•1	. 2							2.8	5.7
SSW	.8	6	8,	• 2								2.4	5.9
sw	1.0	1.2	. 9	12					T			3.4	5.6
WSW	.4	• 4	•1	1.								1.0	5.0
W	.7	6	. 4	1 .0	.0		· · · · · · · · · · · · · · · · · · ·				1	1.7	5.3
WNW .	. 8	. 4	2	• 1	•0	_						1.5	5.3
NW	1.0	• 5	• 4									1.9	4.0
NNW	.7	. 8	• 1	,					T			1.6	4.3
VARBL													
CVIW		$\times$	$\times$	><		> <	$\geq <$	> <	$\boxtimes$			40.2	
	23,8	20.6	11.1	3.2	.7	2	•0					100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 2262

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZUNA/CHANDLER	42-60,63-65,72-74	UCT HONTH				
	ALL W	ALL WEATHER					
		CONDITION					

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•1	.3										• 3	4.2
NNE	.4	• 2	• 1	•1								.7	5.2
NE	.4	• 5	• 3	•1						i		1.3	5.6
ENE	.9	1.0	• 5	• 2								2.5	5.4
Ε	3.0	5.0	2.8	•3								11.0	5.3
ESE	5.6	7.9	5.2	•6	• 1							19.3	5.4
SE	6.4	8.2	4.4	•5						T		19.4	5.1
SSE	1.6	1.2	1.0				Ī					3.8	4.7
S	1.1	•7	• 3									2.0	4.0
ssw	• 4	.3	• 3	•1			Ì					1.0	5.4
sw	• 5	•6	•2	~ }								1.3	4.9
WSW	• 2	• 3	• 1									•7	5.1
w	.3	.4	•1	.1					[			•8	4.8
WNW	• 2	•1	•3	.1								.6	6.7
NW	• 4	• 3	•1							<del></del>		.7	4.1
NNW	•2	•1	•1	•1	.1							.4	8.0
VARBL							1	1					
CALM	$\times$	$\geq \leq$	$\times$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq$		$\geq$	34.1	
	21.5	27.1	15,3	2.0	.1							1.00.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1962

USAFETAC FORM 0 8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	OCT
STATION	STATION NAME	YEARS	MCNTH
	ALL W	NEATHER	0300-0500
		CLASS	HOURS (L.S T.)
		ONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•1											•1	2.7
NNE	.2	•1	• 2	•0								• 5	5.3
NE	•4	. 8	.2	• 2								1.7	5.5
ENE	1.3	1.7	. 8	•0								3.8	5.0
E	5.0	8.3	4.2	• 3	.1							17.9	5.2
£SE	5.0	9.6	7.5	.8								22.9	5.7
SE	5.1	6.7	5.5	.4								17.8	5.5
SSE	1.2	1.0	•7									2.8	4.7
\$	•7	.3	.2									1.2	4.0
SSV	• 2	• 3	• 2									.7	5.3
sw	•2	• 4	•1			•0						.7	5.9
WSW	•1	.1	•2			•0				1	·	.5	7.0
w	.1	.3	•1	.0					i			•6	5.4
WWW	•4	•1	•1				i			i		•6	4.1
NW	.4	•5		.0								•9	4.2
HNW	•5	. 8	,1	.0								1.5	4.9
VARBL			l					1					
CALM	$\geq \leq$	$\times$	> <	$\geq$	$\geq$	$\times$	$\geq$	$\boxtimes$	$\geq$	$\boxtimes$	$\geq$	25.7	
	20.9	31.2	20.0	1.9	.1	•1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

2253

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (QL A) previous editions of this form are obsolete

CONDITION

DATA PROCESSING BRANCH

ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

LICT
BOATA
BYATION JAME

ALL WEATHER

CONDITION

CONDITION

SURFACE WINDS

SURFACE WINDS

BURFACE WINDS

SURFACE WINDS

AIR WEATHER

BOATA
BOATA
BOATA
BOATA
BOATA
BOATA
BOATA
BOATA
CONDITION

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z	.3	.1		.0								•5	3.8
NNE	• 2	.2	.1	•0	•0							•6	6.1
NE	.7	.4	•1	•1	•1							1.5	5.7
ENE	1.3	1.7	•6	• 1								3.7	4.8
E	5.5	8.2	2.5	.3	.0					<del>                                     </del>		16.5	4.8
ESE	5.6	11.3	6.1	•6								23.6	5.4
SE	5.6	9.6	5.4	.6	•0							21.2	5.5
SSE	1.2	1.2	•6	•0				1				3.0	4.8
5	.9	•6	•1	.0								1.6	4.1
ssw	.4	.3	• 2	•1								•9	5.3
sw	,3	•4	• 3	•0								1.0	5.5
WsW	• 2	•1	•0									• 3	3.6
w	.2	•2	•1									• 5	4.3
WNW	.0	.1	•0									•1	4.3
NW	. 2		•0	.0								• 3	4.8
NNW	• 2	•1		• 1								•4	5.0
VARBL													
CALM		$\times$	$\times$	$\geq <$	$\geq$	$\geq$		$\geq$	$\geq$	$\supset <$	$\supset \subset$	24.4	
	22.6	34.4	16.3	2.1	,2							100.0	3.9

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TOTAL NUMBER OF OBSERVATIONS 2820

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	oc t
STATION	STATICH NAME	YEARS	NTHOM
	ALL	NEATHER	0900-1100
		CLASS	HOURS (L.S.Y.)
		COMPLETE	

SFEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	•2	• 2	.1								•9	5.5
NNE	.4	• 3	•0									.7	3.8
NE	• 5	• 4	• 4	•1								1.4	5.2
ENE	. 8	• 5	• 2	.4	.0							1.9	6.2
E	1.6	1.4	1.5	1.2	. 3							6.1	7.5
ESE	2.2	2.8	2.6	2.0	.3	• 1						9.8	7.5
SE	4.2	5.6	4.7	• 9	• 1	•0						15.6	6.0
\$SE	2.2	2.9	2.6	• 3	• 1							8.1	5.8
\$	2.2	1.7	1.2	.2	•0							5.3	5.1
SSW	1.2	. 8	•7	• 5			•0					3.2	6.3
SW	1.2	1.0	• 6	• 2	• 1							3.2	5.5
wsw	1.1	• 8	• 5	•2							,	2.5	5.1
W	2.1	1.7	• 5	•1						Ĭ. <del></del>		4.3	4.1
WNW	1.3	• 5	•4	•0								2.3	4.0
NW	1.1	.4	.3	•1	•0							1.9	4.6
NNW	• 3	• 2	•1									.7	4.1
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\times$	$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	32.3	
	22.8	21.1	16.5	6.3	•9	.1	• 0					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 3013

USAFETAC JUL 64 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

	()		,			ĺ	1	ļ	,	í		11 1	
N	.7	• 5	.3	•2		•0			<del>                                     </del>	1		1.7	5.6
NNE	.6	.3	•1	•0						T		1.0	4.2
NE	.5	• 3	.4	• 1								1.4	6.0
ENE	.4	.5	• 5	•0	.0	•0	[	Ī		Ţ		1.4	6.4
E	.8	.7	1.3	•7	• 2	• 1						3.7	8.2
ESE	.9	1.5	2.1	1.3	.4	•0			T		7	6.2	8.5
SE	1.0	1.6	2.4	1.0	.2							6.2	7.8
SSE	1.0	1.8	1.3	.3	.0							4.5	6.1
\$	1.9	2.1	1.5	.2	.0							5.7	5.3
ssw	1.3	1.3	1.3	.4	• 1	_ •0			T	Τ	1	4.4	6.5
sw	2.2	2.2	1.3	.7	• 1				T			6.4	5.8
WSW	2.4	3.0	1.3	.4	•0							7.0	5.2
w	4.5	5.7	2.6	•6	.1	•0			}			13,5	5.3
WNW	2.6	3.8	2.1	.5	.0							9.0	5.4
NW	1.8	1.4	.9	• 1								4.2	4.8
NNW	.5	.6	.3	• 1								1.4	5.1
VARSL											T		
CALM	$\geq \leq$	$\times$	$\geq \leq$	><	$\geq <$	><	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq$	21.9	
	23.0	27.3	19.7	6.6	1.3	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 3012

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILL	IAMS AF			IANDLER		42-	74						CT
STATION			STATIO	THAN !					1	YEA#S				IONTH
						ALL WE	ATHER						1500	-1700
		_					LASS				<del></del>		HOURS	(L.S.T,)
		_				CON	DITION							
								·						
		·—·												
	SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	.8	.7	• 3	•1	.1	•0						2.1	5.9
	NNE	•4	.4	• 3		.0							1.2	5.4
	NE	.5	• 2	•2	•1					1			1,1	5.Q
	ENE	.3	.6	•4	• 1	.1	•0						1.6	7.7
	E	.4	• 9	1.2	• 3	•2							3.0	7.9
	ESE	.7	. 8	1.6	,6	•1							3.8	7.9
	SE	.7	1.2	1.5	.5	•1				<del> </del>			4.0	7.4

	22.5	32.7	22.7	5.2	1.3	.3						100.0	5.1
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.3	
VARBL													
МИМ	1.2	1.5	. 8	• 0								3.5	4.9
NW	3.6	4.3	2.6	•1	• 1							10.7	5.2
WNW	4.5	7.1	4.9	•7		•1						17.3	5.7
w	4.9	9.6	4.3	.7	•1	•0			1		T	19.6	5.4
WSW	1.3	2.2	1.7	•3	•0			1			T	5.5	3.8
sw	1.0	1.1	1.1	.7	•2					1	1	4.1	7.2
SSY.	.6	.8	•5	•5	•2	• 1						2.6	8.4
\$	.9	.7	•6	•2		•0			1			2.5	5.9
SSE	.5	.7	•6	• 3	•0			T	1			2.2	6.6
SE	.7	1.2	1.5	.5	•1							4.0	7.4
EDE	II • _	• 0	1.00		. • •	i		.i			1	3.01	

TOTAL NUMBER OF ORSERVATIONS 2921

USAFETAC  $\frac{\text{FORM}}{\text{JUI } 64}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETS

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74 YEARS	i)CT MONTH
	ALL WE	ATHER LASE	1800-2000 HOURS (L.S.T.)
	COI	IDITION	

SPEED (KNTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	2.3	•6	•0					<del>                                     </del>	1		5.4	4.0
NNE	1.9	.9	•2	•1							<del></del>	3.0	4.0
NE	1.2	1.4	•3	· O								2.9	4.3
ENE	1.3	1.4	1.0	•2					<del>                                     </del>			3.8	5.4
E	2.0	2.1	.8	•1								5.0	4.6
ESE	1.6	. 8	•9	• 5	•1					<del>                                     </del>		3.9	6.1
SE	1.1	1.6	.8	.5	•0				l		<del> </del>	3.9	6.1
SSE	.7	• 5	.3	٠2			•0					1.7	6.0
S	• 5	.3	•4	•0	•0	•0					l	1.3	6.6
SSW	.4	.2	• 4	•2	•1				<del>                                     </del>	<del> </del>		1.3	7.5
SW	.6	•5	•5	•1	•0				<del>                                     </del>			1.7	6.1
WSW	. 5	•4	•3	•2				·				1.7	5.0
w	2.3	2.1	•6	•2	•0				<del> </del>		l	5.2	4.6
WNW	2.1	2.5	•7	• •	•1				<del> </del>		<del> </del>	5.5	4.9
NW	3.5	2.1	•9	•1					<b></b>			6.7	4.1
NNW	2.4	2.0	•5	•1				<b></b> -		<del> </del>	·	5.0	4.0
VARBL						<del></del>		<u> </u>	<del>                                     </del>	<del></del>	<del> </del>		
CALM	><	>		>>	$\times$	> <	> <	> <		$\supset$	> <	41.8	
	24.9	21.1	9.0	2.6	.4	•0	•0					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

<u> 2660</u>

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	OCT
STATION	STATION NAME	YEARS	HANN
	ALL 1	HEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.6	• 3	•0	•0								1.0	3.9
NNE	• 5	• 2	•2	•1	.0							1.1	6.0
NE	.7	1.1	• 3	• 1						Γ		2.1	4.9
ENE	1.3	1.7	• 9	.1	• 0							4.1	5.3
E	4.5	3.2	1.3	• 3								9.3	4.4
ESE	4.4	5.3	2.0	• 3		_						11.9	4.7
SE	5.6	4.8	1.8	.2								12.4	4.4
SSE	1.3	1.2	.5	• 1	•0							3.2	4.8
5	1.3	•6	• 3									2.2	3.9
ssw	•6	•5	•4	• 2				I				1.6	5.8
sw	•9	• 8	• 4	•0								2.1	4.7
wsw	• 5	. 2	• 1									. 8	3.9
W	•6	• 3	• 4	• 1								1.4	5.7
WNW	• 1	. 3	• 3		•0							•7	6.5
NW	,3	• 5	• 1	• 2								1.1	6.1
NNW	•4	_ 4	. 2.									•9	4.4
VARBL													
CALM	$\geq \leq$	><	><	>>	$\times$	><	><	><			> <	43.9	
	23.6	21.3	9.2	1.8	.2							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 2261

USAFETAC  $\frac{\text{form}}{\text{JUL 64}}$  0-8-5 (OL A) previous editions of this form are obsolete

DATA PRICESSING BRANCH
ETAC/USAF
AIR WEATHER SLOWICE/MAC PERCENTA

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-60,63-64,71,73 YEARS	VDV
	ALL WI	FATHER	0000-0200
		CLASS	MOURS (L.S.T.)
	(0)	HOITIOM	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•2	•2	• 2	•2								•8	6.8
NNE	•3	• 2	• 3	• 3								1.0	7.8
NE	.7	.7	• 5	• 3								2.1	6.0
ENE	.9	1.5	• 3					]				2.7	4.6
E	4.6	5.0	2.8	• 4								12.7	5.0
ESE	8.1	9.7	4.7	• 1								22.5	4.8
SE	6.4	6.5	2.9	• 1								15.9	4.5
SSE	1.1	1.4	.4									2.9	4.5
5	.6	• 4	•4	- 1	• 1							1.5	5.7
SSW	• 4	• 3	• 2.	• 3	•1							1.3	7.7
sw	• 5	_ •5	• 4	• 1								1.5	5.4
wsw	.5	• 2	• 3	• 1								1.1	4.8
w	• 3	.3	. 3	• 1								• 8	5.9
WNW	.1	.1	•3	_ •1					-			• 5	7.2
NW	.4	• 2	•1	• 1								•7	4.3
NNW	.1	•2	•2									. 5	6.1
VARBL									I				
CALM	$\times$	$\times$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$		31.7	
	25.0	27.3	14.1	1.9	.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1889

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m FORM}$  0-8-5 (QL A) previous editions of this form are obsolete

DATA PROCESSING BRANCH SURFACE WINDS ETAC/USAF 2 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME VOM 42-74 ALL WEATHER 0300-0500 MEAN WIND SPEED SPEED (KNTS) DIR. 7 - 10 11 - 16 ≥56 1.1 4.9 N . 6 1.4 6.1 • 2 4.2 NE .6 1.3 ENE 2.0 4.3 4.4 7.2 2.9 •3 17.6 4.6 7.2 E 4.9 ESE 7.5 10.8 5.0 •3 23.5 SE 5.1 5.1 5.4 14.4 3.7 .0 SSE 1.5 1.2 • 0 3.1 4.3 ,7 .3 S 4.3 .1 .0 1.2 5.2 4.7 <u>•1</u> .4 .3 .1 •9 .4 1.2 .6 SW 3.7 WSW .3 .3 •6 .8 4.7 .4 .0 WNW •0 6.6 .1 <u>. l</u> . 2 .0 4.8 NNW .2 4.6 .5 VARBL 26.5 (

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	NOV
STATION	STATION NAME	YEARS	KTNOM
	ALL	WEATHER	0600-0800
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 2	•3	• 1	.1								.7	5.2
NNE	.3	•2	.3	• 2.								1.0	6.8
NE	. 5	•9	- 8	•1			I					1.8	5.4
ENE	2.1	2.0	•5	•2								4.8	4.5
E	6.3	7.3	2.3	•3	• 1							16.3	4.6
ESE	8.0	9.6	4.3	• 3								22.2	4.8
SE	5.6	6.4	4.0	•2								16.1	5.0
SSE	1.4	1.4	•7	•1								3.6	4.8
\$	. 8	.3	• 1	• 1							_	1.3	4.7
SSW	.2	.3	•2	• C								• 8	5.5
SW	.3	• 2	•3	• 1								•9	5.9
WSW	• 1	•0	•2									•3	5.8
W	•1	•2	.2									•6	5.6
WNW	.2	.3	•0	•1								,6	5.9
NW	.1	.3	• 1	•0	.0							•6	6.3
NNW	• 1	.3	•1	•0								• 5	5.6
VARBL													
CALM	><	$\ge$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	27.7	
	26.4	30.1	13.7	2.0	. 1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2697

USAFETAC  $\frac{\text{FORM}}{\text{JUL }64}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS A	FB ARIZONA/CHANDLER		42-74	YEARS	 NOV
	_		ALL WEA			0900-1100 HOURS (L.S T.)
	-		CONDIT	ion .		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•5	.3	•0	•0								.9	4.0
NNE	.4	•2	•3	•2	•0							1.2	6.7
NE	.8	•5	•5	• 3	•1							2.1	0.6
ENE	.9	•7	• 2	.1	• 1							2.0	5.1
	2.2	1.5	•6	•9	• 2							5.3	6.3
ESE	3.4	3.1	1.8	•5	•2	•0						9.0	5.5
SE	4.0	3.7	2.9	•6	• 1							11.3	5,3
SSE	2.1	2.1	1.1	• 2								5.5	4.8
S	1.9	1.7	• 7	• 1	.1	•						4.6	5.0
ssw	1.2	• 7	• 5	.2	•0							2.5	4.9
sw	1.8	• 9	• 2	•2								3.1	4.1
WSW	1.5	• 7	• 3	• 1								2.7	4.2
w	2.3	1.2	•2	•0								3.7	3.5
WNW	1.7	•6	.3	•1	•0							2.7	4.2
NW	.9	.5	.3	•1	•0							1.9	4.8
NNW	. 8	•3	•2	•1		•0						1.4	5.0
VARBL													l 1
CALM	$\geq \leq$	$\ge$	$\geq$	$\ge$	$\times$	$\times$	$\times$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	40.2	
	26.2	18.7	10.2	3.8	•9	•1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 2864

USAFETAC FORM 0 8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74 TEARS	V CIN
		LEATHER CLASS	1200-1400
			HOURS (E.S.T.)
	C	PNDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 2i	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	• 9	•5	•1				i				2.7	4.5
NNE	.6	•6	• 3	• 2	•0							1.7	6.0
NE	. 3	• 5	• 5	• 2	_ •0							2.1	5.8
ENE	.8	• 4	•6	• 2					T			2.1	6.0
E	1.3	1.1	1.6	.8	.1	•1						5.0	7.5
ESE	1.1	• 9	1.1	•7	•1	• 1						4.1	7.8
SE	1.2	• 9	• 9	• 5	• 2							3.7	6.8
SSE	8.	1.4	•9	. 4					I			3.5	6.5
\$	1.3	1.4	.8	• 2								3.7	5.4
SSW	1.2	1.1	.7	•6								3.6	5.9
SW	2.1	1.7	.8	•2	•1							4,9	4.8
wsw	5.0	1.9	1.1	+3	•1							5.4	5.2
W	4.5	4.3	2.0	•2								11.0	4.6
WNW	3.1	3.0	1.0	.3								7.5	4.6
NW	2.7	2.2	.7	.2	.0	• 1						5.9	4.9
NNW	1.2	• 9	.6	•2								2.9	5.1
VARBL													
CALM	>>	$\times$	> <	$\geq$	$\geq \leq$	$\boxtimes$	$\geq \leq$	$\geq$	$\boxtimes$	$\boxtimes$	><	30.2	
	26.1	23.2	14.2	5.3	.6	• 3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

2887

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74 YEARS	V C) //
	ALL WE	ATHER	1500-1700
		LASS	HOURS (L.S.Y.)
	60	MOITIGE	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	2.	MEAN WIND SPEED
N	1.0	.7	.6		.0							2.4	4.9
NNE	. 5	.5	.3	.1	.1							1.5	6.4
NE	.5	•6	• 6	•0								1.8	5.6
ENE	• 3	. 5	.4	• 1								1.4	6.2
E	.6	1.4	1.2	• 5	• 1	•1						4.0	7.6
ESE	.5	• 9	.9	ر 5	• 1							2.9	7.8
SE	. 5	• 9	• 7	• 3	•0							2.4	6.4
SSE	. 5	• 6	• 3	• 3	•0	•0						1.8	5.6
S	1.0	. 9	•6	• 1	• 1							2.6	5.5
ssw	.6	1.0	•7	• 3	• 1	0						2.7	6.9
SW	1.5	1.2	• 9	. 3					<u> </u>		<u> </u>	4.0	5.4
wsw	1.9	2.0	• 9	• 1								5.0	4.9
w	5,5	8.7	2.2	.4								16.8	4.7
WNW	4.5	5.7	2.4	• 3		•0						12.9	5.0
NW	3.6	3.6	1.5	• 3	• 0				<u> </u>	l		9.0	4.8
NNW	1.8	1.1	1.0	•3								4.2	5.2
VARBL													
CALM	$\times$	$\times$	$\times$	$\times$	$\geq \leq$	$\times$	$\mathbb{X}$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	24.8	
	24.9	30.4	15.1	3.9	.7	• 2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2793

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	VNN
STATION	STATION NAME	YKARS	MORTH
	ALL W	EATHER	1800-2000
		CLASS	HOURS (L.S.T.)
	CO	NDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	1.6	•0	•1								4.3	3.6
NNE	1.2	• 8	• 3	• 1	• )							2.4	4.7
NE	1,9	1.7	•8	• 2	•0					i		4.8	4.9
ENE	1.5	1.8	1.2	•2								4.7	5.4
E	3.1	3.6	1.2	.4	• 1			1				8 • 4	5.0
ESE	1.6	1.5	• 5	• 2	.1							3.9	5.0
ŞE	1.4	•9	•4	•1								2.8	4.4
SSE	.3	• 6	•2	•0								1.6	3.9
S	.7	•4	•2	•1	•0							1.5	5.2
SSW	.4	.3	• 2		•1	•0						1.0	6.6
SW	1.	• 5	• 6									2.3	4.5
wsw	. 5	•6	• 1									1.2	4.1
W	2.2	1.6	• 5	•0								4.3	4.1
WNW	1.9	1.3	• 4	• 1				i		i		3.7	4.0
NW	2.9	1.2	• 4									4.5	3.6
WMM	2.0	. 9	• 3						T			3.2	3.7
VARBL													
CALM			$\times$	> <	> <	$\supset <$						45.5	
	25.8	19.4	7.3	1.6	.4	•0						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

2515

USAFETAC  $_{
m JU-64}^{
m FORM}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

<b>£ 2 £</b>	DATA PRO ETAC/USA AIR WEAT	F			P	DII	AGE FREG RECTION HOURLY	AND SI	PEED			SUR	FACE	WIN	NDS
•	23104	WILL	IAMS AF	B ARIZ		IANDLER	<u> </u>	42-	74		EARS		<del></del>		OV.
•	• IA FOR						ALL WE	ATHER						2100	-230()
(							сон	HOIFIG							
(															
( )		SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
•		N	.4	. 3			•1							.8	5.4
		PINE	.5	.5	.4		•1							1.7	6.5
(		NE NE	.9	.7	.9	•1				<u> </u>				2.6	5.9
		ENE	1.0	1.4	1.0	.2					<b></b> _			3.7	5.6
		E	5.1	4.5	1.6					ļ	ļ			11.2	4.2

(KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	SPEED
N	.4	.3			• 1							.8	5.4
HNE	.5	. 5	• 4	• 2	•1							1.7	6.5
NE	.9	7	• 9	• 1								2.6	5.9
ENE	1.0	1.4	1.0	• 2								3.7	5.6
E	5.1	4.5	1.6									11.2	4.2
ESE	5.3	5.6	1.5	• 2								12.6	4.4
SE	6.1	5.6	2.3	. 1								14.1	4.4
SSE	1.9	1.2	. 2									3.4	3.7
S	1.2	. 6	٤.	•0	•0							2.2	4.8
SSW	.4	.4	• 2	• 3	•0							1.4	7.1
sw	.7	.4	• 2	•0								1.3	4.4
WSW	.5	• 2	. 3			<u> </u>	<u>                                     </u>	<u> </u>				1.0	4.7
W	.5	.4	• 2	.1			<u> </u>					1.3	5.1
WNW	.3	.4	.0		<u> </u>	<u> </u>		<u></u>	<u> </u>			.8	4.0
HW	.4	. 8	.1	<u> </u>			<u> </u>					1.3	4.6
NNW	.3	• 2	• 1	.0		<u></u>	<u> </u>	<u> </u>	<u> </u>			.7	4,9
VARBL	<u> </u>					[				L			
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			$\geq \leq$	$\geq <$	$\geq \leq$	40.2	
	25.5	23.3	9.3	1.4	.3							100.0	2,8

TOTAL NUMBER OF OBSERVATION" 2116

USAFETAC FORM  $_{RR..64}$  0-8-5 (QL. A) previous editions of this form are obsolete

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DATA PROCESSING BRANCH

ETAC/USAF
AIR WEATHER SERVICE/MAC

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

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23104 WILLIAMS AFB ARIZONA/CHANDLER

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(FROM HOURLY OBSERVATIONS)

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CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.3	.1	.2	.1								•6	5.5
NNE	• 2	• 3	• 1	•1								.6	6.3
NE	.6	1.0	• 5	•3	. 1							2.5	6.3
ENE	1.1	1.3	•6									3,1	4.6
E	6.2	5.5	2.7	•1			i					14.5	4.5
ESE	6.2	11.0	4.8	• 5	•1							22.6	5.2
SE	4.8	6.7	3.3	•1								14.9	4.8
SSE	1.6	.9	•4	•1							i T	3.0	4.3
S	.5	• 4	.1	•1							Γ	1.1	4.7
ssw	.5	.5	•4	•1	•1	•1		T				1.5	6.4
SW	, 3	• 2	•2									.6	5.1
WSW	•2	.1	•1									• 3	4.8
w	.3	.2	• 3									.7	5.1
WNW	.2	.3	.2									.6	5.0
NW	•5	•2	.2	•1								.9	5.2
NNW	•1	•3	•2									.6	5.6
VARBL												1	
CALM		$\times$	> <	> <	> <	$\supset <$		$\supset <$		$\supset <$		31.9	
	23.4	28.8	14.1	1.4	.3	•1		]				100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

1952

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

( DATA PROCESSING BRANCH ETAC/USAF SURFACE WINDS 2 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) WILLIAMS AFB ARIZONA/CHANDLER DEC 0300-0500 ALL WEATHER HOURS (L.S.T.) SPECO (KNTS) DIR. MEAN WIND SPEED 5,4 •1 N .8 6.6 NNE 5.4 1.3 • 3 3.4 1.1 NE ENE 1.5 2.0 . 3 • 1 •0 4.0 4.6 8.8 18.3 2.5 5.5 4.5 6.8 E 22.0 5.2 6.2 9.8 4.7 2.7 2.9 •2 4.8 5.3 SE SSE .8 5.7 ,9 • 2 .2 1.8 5 •4 .3 7.5 .21 1.0 •2 •2 SSW •0 •3 •1 .0 SW •2 3.0 • 1 WSW .7 .3 4.6 w .1 .1 .1 • 3 5.4 WNW 3.8 .6 ( NW 7.2 NNW VARBL 29.5 • 100.0 3.5

USAFETAC  $\frac{\text{FORM}}{\text{JUL }64}$  0-8-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TOTAL NUMBER OF OBSERVATIONS

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# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER	42-74 YEARS	DEC
		EATHER	060Q-0800

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	• 3		•1								.7	4.2
NNE	.1	.3	• 2	•0								.7	5.5
NE	1.3	•7	•6	• 1			1	T				2.7	4.7
ENE	2.0	1.7	• 5	• 1								4.3	4.3
E	6.5	8.4	1.9	•0								16.8	4.2
ESE	6.3	9.4	4.1	• 3			ļ ————					20.1	4.9
SE	5.0	5.7	2.6	• 2	•0							13.5	4.8
SSE	1.4	1.2	•6	•1								3.3	4.6
S	.6	.4	• 3	• 1	•0							1.4	5.8
ssw	• 3	•6	• 3	• 1	•0							1.4	5.9
sw	. 2	• 3	.1	•0								.6	5.4
WSW	•2	.3	• 1	•0								.7	5.1
W	• 2	• 3	• 1	• 1								.7	5.8
WNW	.3	• 2	• 1	• 1				ì	1			•7	5.5
NW	• 1	• 1	•2									.5	5.6
NNW	.1	. 1	•0	•0								.4	5.4
VARBL													
CALM	$\geq <$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	31.5	
	25.0	30.1	11.9	1.4	• 1							160.0	3,2

TOTAL NUMBER OF OBSERVATIONS 2699

USAFETAC FORM 0-8-5 (OL A) previous editions of this form are obsolet

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WILLIAMS	AFB	ARIZONA/CHANDLER	42-74			DEC
		STATION NAME		YEARS		KTHOM
		ALL	. WEATHER			0900-1100
			CLASS		•	HOURS (L.S.T.)
			CONDITION			
	WILLIAMS	WILLIAMS AFB		ALL WEATHER CLASS	ALL WEATHER  CLASS	ALL WEATHER  CLASS

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.2	• 3	•0								.9	5.5
NNE	.5	• 2	• 4	•1	•0							1.2	6.0
NE	.6	• 5	• 4	.3	•0							1.8	6.2
ENE	1.4	• 9	• 3	•1	• 0							2.7	4.4
E	2.5	2.1	. 8	.3		•0						5.8	4.8
ESE	3.2	4.6	1.9	• 2								9.9	4.9
SE	4.1	4.6	3.1	• 4	• 1	•0						12.3	5.3
SSE	1.9	1.7	• 8	• 1								4.6	4.6
. 5	1.9	1.1	.5	• 4	• 1	•0						4.0	5.1.
SSW	1.2	.5	.4	•0	•0							2.2	4.6
sw	1.8		• 4	• 1								3.3	4.2
wsw	1.2	•6	• 3									2.1	4.0
W	1.5	. 8	• 4	•2								2.9	4.5
WNW	1.2	.6	.3	•1	•0							2.3	4.6
NW	- 8	• 4	• 3	, 1								1.5	4.6
WMM	.4	_ 2	• ()					]				•6	3.4
VARBL													
CALM	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$		41.9	
	24.7	19.9	10.7	2.5	.3	•1						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

2928

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	DEC
BTATION	STATION NAME	TEARS	KTHOM
	ALL W	EATHER	1200-1400
		CLASS	HOURS (L.S.T.)
	CC	DINDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	1.1	.4	•1								3.0	4.3
NNE	.8	.8	•5	•2	.0							2.2	5.7
NE	.8	•6	.6	•2								2.2	5.7
ENE	.6	• 5	•4	•1	•0			1				1.7	5.8
E	1.1	.8	1.0	.5	.1	•0						3.5	6.9
ESE	.9	.9	.9	•5	• 1	•1						3.2	7.4
SE	1.5	1.1	1.1	.3	•1			<u> </u>	1			4.1	5.9
SSE	.9	1.0	• 5	.3						<u> </u>		2.6	5.8
\$	1.4	1.3	•9	.2	.1	•		1				3.9	5.7
ssw	1.1	•9	•6	• 2	.0							2.8	5.3
sw	2.1	1.3	1.0	•2	•0							4.7	4.9
WSW	2.2	1.9	.9	.1	.0	•0		1				5.2	4.8
w	4.6	4.1	1.2	.4	.1	•1						10.5	4.7
WNW	2.9	2.5	1.1	.2	.1			1	<del>                                     </del>	<u> </u>		6.8	4.8
NW	2.6	1.4	.5	•3	.1							4.9	4.6
NNW	1.5	.6	• 4	•1								2.6	4.3
VARBL								T					
CALM	$\searrow$	> <	$\geq <$	> <	$\times$	$\geq <$	$\geq \leq$	$\boxtimes$	$\geq$	$\boxtimes$		35.9	
	26.4	20.7	12.0	4.0	8	•2						100.0	3,4

TOTAL NUMBER OF OBSERVATIONS

2932

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0 8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

( DATA PROCESSING BRANCH SURFACE WINDS 2 ETAC/USAF AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND C DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) €. WILLIAMS AFB ARIZONA/CHANDLER DEC 42-74 1500-1700 ( ALL WEATHER HOURS (L.S.T.) SPEED (KNTS) MEAN WIND SPEED 7 - 10 11 - 16 17 - 21 22 - 27 28 - 33 41 - 47 48 - 55 ≥56 ( 2.7 4.2 N 1.2 1.1 .4 . 8 5.1 NNE . 8 • 4 .9 .7 •6 •2 •0 2.5 5.8 NE .4 .5 •1 1.6 ENE •6 6.0 .6 .8 1.1 3.0 6.9 • 5 .8 ESE .8 2.6 7.2 •4 •1 6.3 • 3 •7 2.2 SE •6 •6 •6 •5 •2 •1 SSE 1.4 5.2 •0 6.2 5 •6 2.0 • 0

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USAFETAC  $_{\rm plt.~64}^{\rm FORM}$  0-8-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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2.8

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4.4

4.7

4.9

4.9

4.6

4.4

3.4

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2.3

3.8

4.6

13.5

11.2

7.4

2.8

34.3

100.0

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104	WILLIAMS AFB ARIZONA/CHANDLER	42-74	DFC
SYATION	STATION NAME	YEARS	NONTH
	ALL W	EATHER	1800-2000
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	.8	.2	•0								2.6	3.7
NNE	8.	1.0	• 4	.0								2.2	4.8
NE	1.7	1.8	.5	• 2	•0							4.2	4.7
ENE	1.7	1.7	1.0	• 2								4.5	5.0
8	3.4	3.9	1.1	• 1								8.6	4.4
ESE	2.8	1.8	. 4	. 2								5.2	4.1
SE	2.2	1.5	•2	•2		•0						4.1	4.2
SSE	.7	•6	3	2		_ •0						1.9	5.6
S	.5	• 5	• 1	.1	• 1							1.3	5.4
ssw	.5	.5	• 2	•2	.0							1.5	6.3
SW	1.1	• 3	•1		•0							1.6	3.6
WSW	.5	• 3	• 2	• 1								1.1	4.6
W	1.9	1.3	•4	•1								3.7	4.1
WNW	1.3	1.2	• 3	• 1								2.9	4.3
NW	2.0	1.5	• 1	• 2								3.8	4.0
NNW	1.7	.8	•2	•0								2.8	3.8
VARBL													
CALM	$\searrow$	$\times$	$\mathbb{X}$	X	X	$\times$	$\times$	$\geq$	$\geq$	$\geq$	$\geq \leq$	48.1	
	24.5	19,5	5.8	1.9	.2	•1						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_2407

USAFETAC FORM 0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION	WILLIAMS AFB ARIZONA/CHANDLER STATION HAME	42-74 YEARS	DEC MONTH
		EATHER CLUSS	2100-2300 HOURS (L.S.T.)
		MOLTICA	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	•3	•2	• 1				T				1.1	5.2
NNE	• 2	• 1	•0									•4	4.0
NE	. 3	.8	.4	• 2	• 1							2.2	5.7
ENE	2.0	1.4	.8	• 2	•0							4.4	4.9
E	5.7	4.8	1.3	.2								15.1	4.2
ESE	6.3	6.9	2.8	.3	•0							16.4	4.7
SE	4.9	5.3	1.4	•0								12.6	4.3
SSE	1.7	1.2	.4									3.3	4.1
S	.7	•6	• 2	•0	.0							1.6	4.7
ssw	.4	.3	• 5	.2	• 1							1.5	7.8
sw	.4	.4	• 2	•0								1.1	5•2
wsw_	• 2	. 2	• 1	•0								•6	5.0
ν	.8	.2	• 1	.2								1.3	5.2
WNW	• 3	• 2	• 1	•0	•0							.8	5.9
NW	• 2	.2										•5	3.9
NNW	.4	•2	• 1	• 1								•8	4.8
VARBL													
CALM		$\supset \subset$	><			$\times$					$\supset <$	39.4	
	25.5	24.2	8.7	1.8	.4							100.0	2.8

TOTAL NUMBER OF ORSERVATIONS 2091

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSER'/ATIONS)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•1	.5	•9	•3	•4	• }	• 3					2.6	12.4
NNE	. 9	.3	• 3	• 4	•1	•1	• i					2.2	9.6
NE	• 4	. 4	•4	• 1	.4	•1						1.8	10.6
ENE	. 5	.6	• 1	• 1	•5	• 3						2.2	10.6
E	1.3	1.5	. 4	•1	.8	• 5		1_				4.7	9.9
ESE	. 4	1.3	1.0	• 9	1.3	. 9	• 5					6.2	13.9
\$E	1.9	1.0	1.8	1.1	1.9	1.5	• 1					9.4	12.3
SSE	. 8	. 9	• 9	1.0	1.5	•6	.3				<u> </u>	6.0	13.3
\$	.6	1.7	•6	٠	1.5	• 4						5.7	11.1
SSW	.9	1.0	1.9	• 5	2.3	. 8	.3					7.7	12.8
sw	.6	1.8	1.4	• 9	1.0	• 9						6.6	11.0
WSW	.4	• 9	• 9	• 1	. ರ	.3		L	L			3.3	10.8
w	. 9	1.9	1.8	1.4	2.7	1.1		<u> </u>			<u> </u>	9.8	12.3
WNW	. 8	1.1	1.4	1.8	•9	•5	• 1					6.6	11.5
NW	.6	1.1	1.1	.8	.6	• 3	. 3					4.8	11.1
NNW	. 5	. 8	•6	.8	• 1	.3						3.1	9.7
VARBL								L					
CALM	$\geq$	><	><	><	><	$\geq <$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	><	17.2	
	11.6	16.8	15.6	11.2	16.8	8.7	1.9	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 78

USAFETAC  $_{
m JRL~64}^{
m FORM}$  0-8-5 (QL A) previous editions of this form are obsolete

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 5/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

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#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING	l						VIS	IBILITY (ST	TATUTE AN	LES)						
(FEET)	≥ 10	1≥6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1 1/2	≥ 11/4	≥1	≥ 3/4	≥ 3/6	≥ 1/2	≥ 5/16	≥ ¼	≥ 0
NO CEILING							$\sim$	<u></u>	5							
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ <b>80</b> 0																
≥ 700 ≥ 600																
≥ 500 ≥ 400								L		97•4						98,1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ . For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%. Ceiling  $\geq 500$  feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.4%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.0%.

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#### ADDITIONAL EXAMPLES

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MILE	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1¼	≥า	≥ ¾	≥%	≥%	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	77.2 84.2	77.6 84.7	77.7 84.8	77.7 84.8	77.7	77.7 94.9	77.7	77.8 84.9	77.8 84.9	77.8 84.9	77.8 84.9	77.8 84.9	77.8 84.9	77.8 84.9	77.8	77.8 85.0
≥ 13000	84.9	85.3		85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6	
≥ 16000	86.0	86.5	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	
≥ 14000	68.4	88.9	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
≥ 12000	91.0	91.5					91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	
≥ 10000	92.4	93.0		93.1	73.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3		
ļ	93.0				93.8		93.8	93.8	93.8				93.9			
≥ 8000 ≥ 7000	94.0	94.6		94.8	74.8		94.9	94.9	94.9			94.9	95.0	95.0	95.0	
≥ 0000	96.0	95.6		95.8		95.R	95.9	95.9 97.0	95.9		95.9 97.0	95.9		96.0 97.1	76.0 97.1	
≥ 5000	97.0				1	-	98.1	98.1	98.1	98.2	98.2	98.2	_	98.2	98.3	
≥ 4500	97.3	98.0		98.3		98.4	98.4	98.4	98.4		98.5	98.5		98.5		
≥ 4000	97.6	98.4			98.8		98.8	98.9	98.9		[	98.9		98.9		
≥ 3500	97.8	98.7	98.8	98.9	35.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	98.0	98.9	99.1	99.2		99.3	99.3	99.3	99.3		99.4	99.4	99.4	99.4		
≥ 2500	98.1	99.0		99.3	99.4	99.4	99.5		99.5			99.6			I .	
≥ 2000	93.2	99.1	99.3	99.4		99.5	99.6		99.6		99.7	99.7	99.7	99.7	59.7	
≥ 1800 ≥ 1500	98.2	99.1	99.3	99.4		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8		
<b></b>	98.2	99.2		99.5			99.7	99.7	99.7	99.8	99.8	99.8		99.8		
≥ 1200	96.3	99.2		99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8		99.8		
	98.3	99.2		99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8				
≥ 900 ≥ 800	98.3			99.6		99.7	99.8	99.8	99.8		99.9	99.9		99.9		
≥ 700	98.3	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9		99.9		
≥ 600	98.3		1	99.6	99.7	99.7			99.8	99.9		99.9				99.9
≥ 500	98.3		99.4	99.6		99.7	99.8	99.8	99.8	99.9		99.9		99.9	99.9	100.0
≥ 400	98.3	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	98.3	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	98.3	99.2				99.7	99.8		99.8	99.9	99.9					100.0
= 100	98.3		1				99.8						99.9			100.0
≥ 0	98.3	99.2	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

USAF ETAC FORM 101-54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZUNA/CHANDLER 43-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING							VISI	BILITY (STA	TUTE MILE	S)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1%	≥1	≥¾	≥ %	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	70.7 78.9		71.4	(			79.8	71.5 79.8	71.5 79.8		71.5 79.8		71.5 79.8		79.8	79.8
≥ 18000 ≥ 16000	79.9 80.9	81.5		80-6 81-7	80.7 81.7	80.7 81.7	81.8	80.7 81.8	80.7 81.8	81.8	80.7		80.7	80.7 81.8	80.8 81.8	81.8
≥ 14000 ≥ 12000	83.1 85.0	83.7 85.6		83.9 85.8	83.9 85.9	83.9 85.9	25.9		83.9 85.9		84.0 85.9	84.0	84.0 85.9	84.0	84.0 86.0	84.0
≥ 10000	86.4 87.0	87.1 87.7			87.3	87.3 88.0	88.0	87.4 88.0	87.4 88.0	87.4 88.1	87.4 88.1	87.4 88.1	87.4 88.1	87.4 88.1	87.4 88.1	87.5
≥ 8000 ≥ 7000	88.2	89.0 90.5	90.7		89.3	90.9	90.9	89.4 90.9			89.4 91.0	89.4 91.0				91.0
≥ 6000 ≥ 5000	91.3	92.2			92.6 94.8	92.6	94.8			94.9	92.7	92.7	92.7			92.7
≥ 4500 ≥ 4000	94.8		95.4 96.4			95.6 96.6	96.7	95.7 96.7		96.8	96.8		96.8		96.8	
≥ 3500 ≥ 3000	95.3 95.8	97.4	97.7	97.9	97.3 98.1		98.2	97.5 98.2		97.5 98.2	98.2	98.2	98.3	98.3	97.5 98.3	
≥ 2000	90.2 96.4	98.1	98.5		98.9		99.0	98.7 99.0				98.8	99.1	99.1	98.8	99.2
≥ 1800 ≥ 1500	96.4 96.5	98.3	98.6	98.8 98.9		99.1	99.2	99.1				99.2			99.4	99.4
≥ 1200 ≥ 1000	96.5	98.4	98.8	99.0			99.5	99.4		99.4	99.6	99.6		99.6		99.7
≥ 900 ≥ 800	96.5	98.5		99.1	99.3	99.4	99.6	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	
≥ 700 ≥ 600	96.6	98.5			99.4		99.6		99.7	99.7	99.7	99.7				99.8
≥ 500 ≥ 400	96.6	98.5	98.9	99.2		99.5	99.7	99.7 99.7		99.8	79.8	99.8		99.9	99.9	
≥ 300 ≥ 200		98.5	98.9	99.2	99.5	99.5	39.7	99.9	99.8	99.8	99.9	99.9	99.9	99.9	99.9	
≥ 100 ≥ 0	96.6 96.6	98.5		99.2	99.5 99.5						99.9 99.9					

TOTAL NUMBER OF OBSERVATIONS 19818

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING				, , , , , , , , , , , , , , , , , , , ,			VIS	IBILITY (STA	TUTE MILE	ES)						
IFEET	≥10	≥6	≥ 5	≥4	≥3	≥ 2 ½	≥ 2	≥1½	≥1%	≥ı	≥ 3,4	≥%	≥ ½	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	71.9 80.4	72.2 80.7	72.2 80.8	72.3 80.8	72.3	72.3	72.3	72.3 80.9	72.3	61.0	72.4 81.0	72.4 81.0	72.4 81.0		81.0	72.4 81.0
≥ 18000 ≥ 16000	81.2 82.4	81.5 82.8	81.6 82.8	81.6 82.9	81.7 82.9	81.7	81.7 82.9	81.7 83.0	81.7		81.7 83.0	81.7 83.0	83.0	81.7 83.0	83.0	81.8 83.0
≥ 14000 ≥ 12000	84.6 86.8	85.1 87.3	85.1 87.3	85.2 87.4	85.2 87.4	85.2 87.4	85.3	85.3 87.4	85.3 87.4	87.5		85.3 87.5		85.3 87.5	87.5	87.5
≥ 10000 ≥ 9000	88.5 89.2	88.9 89.7	89.0 89.8	89.1	89.1	89.1 89.8	89.2	59.2 89.9	89.2 89.9	89.9		89.7	89.2 89.9		89.9	
≥ 9000 ≥ 7000	90.5	91.0 92.2	91.1	91.2	91.2	91.2	91.2	91.2	91.2	92.5	92.5	91.3	91.3 92.5	91.3	92.5	91.3
≥ 6000 ≥ 5000	93.4	94.0	94.1 96.3	94.1	94.2	94.2	94.2	94.2 96.5	94.2		94.3	94.3	94.3	96.5	96.5	94.3
≥ 4500 ≥ 4000	96.1 96.9	96.7		96.9	97.0 97.8	97.0 97.8	97.9		97.1 97.9			97.1 97.1	97.1 98.0	97.1 98.0		
≥ 3500 ≥ 3000	97.3 97.8 98.1	98.1 98.6 99.0	98.2 98.8 99.2	98.3 98.8 99.3	98.4 98.9 99.3	98.4 98.9 99.3	98.4	98.4 99.0 99.4	98.4 99.0 99.4	99.0	99.0	98.5 99.0 99.5	98.5 99.0 99.5	98.5 99.0 99.5	99.0	99.0
≥ 2500 ≥ 2000 ≥ 1800	98.2	99.2	99.4	99.5	99.6	99.6	99.4 99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 1500	98.3 98.3	99.2	99.5	99.6	99.6 99.7 99.8	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	98.4	99.3	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.4	99.3	99.6		99.8	99.8	99.9	99.9		90.9	99.9	99.9	99.9	100.0	100.0	
≥ 600	98.4		99.6				99.9	99.9		99,9	99.9	99.0	99.9	100.0	100.0	100.0
≥ 400	98.4	99.3	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	98.4	99.3	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	98.4															100.0

TOTAL NUMBER OF OBSERVATIONS 17681

USAF EFAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING					VISIBILITY (STATUTE MILES)														
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1½	≥1%	≥۱	≥ %	≥ 3/6	≥ ⅓	≥ 5/16	≥¼	≥0			
NO CEILING ≥ 20000	72.4 81.7	72.7 82.1	72.8 82.1	72.8	72.8 82.2	72.9 82.2	72.9	72.9	72.9 82.3		72.9	72.9 82.3	72.9 82.3	72.9 82.3					
≥ 18000 ≥ 16000	82.5 83.8	82.6 84.2	82.9 84.2	82.9 84.3	83.0 84.4		83.0 84.4	83.0 84.4	83.0 84.4	83.0	83.1 84.4	83.1 84.4	83.1 84.5	83.1 84.5	83.1 84.5				
≥ 14000 ≥ 12000	85.0 87.8	86.3 88.2		86.5 88.4	86.5 88.4	86.6 88.4	86.6 88.5		86.6 88.5		36.6 88.5	86.6 88.5	86.6 88.5		88.5	88.5			
≥ 10000 ≥ 9000	89.1 89.6	89.5 90.0		89.6 90.2	1		89.8 90.3	89.8 90.3	89.8 90.3		89.8 90.3	89.8 90.3		1	· ·	1 ,			
≥ 8000 ≥ 7000			92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8		92.8	92.8	\$2.9	92.9			
≥ 6000 ≥ 5000	93.5 95.4	94.0 96.0	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	94.4	96.5	96.5	36.5	96.5			
≥ 4500 ≥ 4000	95.9 96.7		97.5	97.6	97.7	97.7	97.8	97.8		97.8	97.9	96.9 97.9	97.9	97.9	97.9	91.9			
≥ 3500 ≥ 3000	97.4 97.8	98.2 98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.2	98.7	99.2	99.2	99.2	99.2			
≥ 2500 ≥ 2000	98.0 98.1	98.9 99.1	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7			
≥ 1600 ≥ 1500	98.2	99.1 99.2	99.4	99.5	99.6	99.6		99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8			
≥ 1200	98.3		99.5	99.6	99.8	99.8	99.8	99.9		99.9	99.9	99.9	99.9	99.9	99.9	100.0			
≥ 900 ≥ 800	98.3	99.3	99.5	99.6	99.8	99.8	99.9		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0			
≥ 700 ≥ 600	98.3		99.5	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0			
≥ 500 ≥ 400	98.3		99.5	99.6	99.8	99.8		99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0			
≥ 300 ≥ 200	98.3		99.5	99.6	99.8	99.8		99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0			
≥ 100 ≥ 0	98.3									99.9						100.0			

TOTAL NUMBER OF OBSERVATIONS 20124

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER

42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS ILSY

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥.0	≥ه	≥5	≥ 4	≥3	≥2%	≥2	≥11/2	≥1%	≥≀	, ≥ ¾	≥ %	≥ 1/2	≥ 5/16	24	≥0
NO CEILING ≥ 20000	78.9 86.9	79.4 87.4	79.5 87.4	79.5 87.5	79.6 87.6		79.6 87.6	79.7 87.6	79.7 87.6	79.7 87.6	79.7 87.7	79.7 87.7		79.7 87.7	79.7 87.7	79.7 87.7
≥ 18000 ≥ 16000	87.5 88.5	88.0 89.1	88.1 89.1	88.1 89.2	88.2 89.2	88.2	88.2	88.3	88.3	88.3 89.4	88.3 89.4		1	88.3 89.4	88.3	88.3
≥ 14000 ≥ 12000	90.0 91.7	90.6 92.3	90.6		90.8 92.5	1		90.8 92.6		90.9 92.6		90.9 92.6	1 1		90.9 92.6	90.9 92.6
≥ 10000 ≥ 9000	93.1 93.5	93.7	93.7 94.1	93.8 94.2	93.9			94.4			94.0 94.4			94.1 94.5	94.1 94.5	94.1 94.5
≥ 8000 ≥ 7000	94.5	95.1 96.1	95.2 96.2	96.3	95.3 96.3	96.4	36.4	3		96.5	95.4 96.5	96.5	96.5	96.5	96.6	96.6
≥ 6000 ≥ 5000	96.6 97.6	98.3	98.5	98.5	97.6 98.6	98.7	98.7	97.7 96.8	97.7 98.8			93.9	98.9	98.9	98.9	98.9
≥ 4500 ≥ 4000	97.7 98.1	98.5 98.9	99.0	99.1	98.8 99.2	99.2	99.3	98.9 99.3	98.9 99.3	99.4	99.4	99.4	99.4			
≥ 3500 ≥ 3000	98•2 98•3	99.0	99.3		99.3	99.5	99.5	99.4	99.4		99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500 ≥ 2000	76.4 98.4	99.2 99.3		99.5	99.6	99.6		99.7	99.7 99.7	99.8 99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	98.4 98.5	99.3	99.5	99.5	99.6	99.7	99.8	99.7 99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 1200	98.5 98.5	99.3	99.5	99.6	99.7			99.8	99.8			99.9	100.0	100.0	100.0	100.0
≥ 960 ≥ 800	98.5 98.5	99.3	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9		99.9	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.5	99.3	99.5	99.6	99.7	99.7		99.8	99.8	99.9		99.9	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.5 98.5	99.3	99.5	99.6	99.7	99.7				99.9	99.9	99.9	100.0 100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.5 98.5	99.3 99.3	99.5	99.6	99.7				99.8		99.9	99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.5				(		99.8						160.0 160.0			

TOTAL NUMBER OF OBSERVATIONS 20175

USAF ETAC 100 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSCILETE

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2

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

C

WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		VISIBILITY (STATUTE MILES)														
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1½	≥1%	≥ı	≥ ¾	≥%	≥1⁄3	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	85.1 93.1	85.3 93.2	85.4 93.3	85.4 93.4	85.4 93.4	85.4 93.4		85.4 93.4	85.4 93.4	85.4 93.4		85.4 93.4	85.5 93.4	85.5 93.4	85.5 93.4	85.5 93.4
≥ 18000 ≥ 16000	93.5 94.5	93.7 94.7	93.7 94.8	93.8 94.9	93.8 94.9	93.8 94.9	93.8 94.9	93.8 94.9	93.8			93.8. 94.9	93.8 94.9	93.8 94.9	93,8 94.9	
≥ 14000 ≥ 12000		96.1 97.0	96.2 97.1				97.2	96.2 97.2		97.2	97.2	97.2	96.3 97.2	97.2	97.2	96.3 97.2
≥ 10000 ≥ 9000		97.8	97.8 97.9	98.0	98.0	98.0	98.0		98.0	98.0	98.0			98.1	78.1	91.1
≥ 8000 ≥ 7000	98.4	98.7		98.9		98.9	98.9		98.9	98.9	98.9	98.9		98.9	98.5 98.9	
≥ 6000 ≥ 5000	98.9	99.2	99.3	99.7	99.4	99.7	99.7	99.4	99.4	99.8	99.8	99.8	99.4	99.8		99.8
≥ 4500 ≥ 4000	99.2	99.5	99.6	99.8	99.7	99.9	99.9	99.8	99.9	99,9	99.9		99.9	99.9	99.9	99.9
≥ 3500 ≥ 3000	99.3	99.7	99.8	99.9		99.9	99.9		99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0
≥ 2500 ≥ 2000	99.3	99.7	99.8	99.9		99,9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	
≥ 1800 ≥ 1500	99.3 99.3	99.7 99.7	99.8 99.8	99.9	99.9 99.9	99.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.3	99.7	99.8	99.9	99.9 99.9	99.9	99.9	99.9 99.9	99.9	100.0	100.0	10C.0	100.0		100.0	100.0
≥ 700	99.3	99.7	99.8	99.9	99.9	99.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	99.4		99.8	99.9		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 200	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4			99.9	- 1											100.0

TOTAL NUMBER OF OBSERVATIONS 21137

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER 42-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥1	≥ ¾	≥%	≥ ½	≥ 5/16	≥ 1/4	≥0
NO CE'LING ≥ 20000	89.6 93.2	89.9	89.9 93.5	89.9 93.6	89.9 93.6	89.9		89.9 93.6	89.9		89.9 93.6		89.9 93.6	1		
≥ 18000 ≥ 16000	93.6	94.0	94.0		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 14000 ≥ 12000	95.8 97.5	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	95.2	96.2	96.2 97.3	96.2
≥ 10000 ≥ 9000	98.3 98.5	98.6	98.6 98.8	98.7	98.7	98.7	98.7	98.7 98.9	98.7	93.7	98.7	98.7	98.8	98.8	98.8 99.0	
≥ 8000 ≥ 7000	98.8	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 6000 ≥ 5000	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9		99.9	99.9	99.9
≥ 4500 ≥ 4000	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.3	99.7	99.8		99.9			99.9		99.9 99.9						100.0
≥ 2500 ≥ 2000	99.3 99.3	99.7	99.8 99.8					99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.3 99.3	99.7 99.7	99.8 99.8		99.9 99.9			99.9 99.9		100.0						
≥ 1200 ≥ 1000	99.3 99.3	99.7 99.7	99.8 99.8		99.9 99.9			99.9 99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.3	99.7	99.8 99.8	99.9	99.9	99.9	99.9	99.9 99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.3	99.7 99.7	99.8 99.8	99.9	99.9 99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.3	99.7	99.8	99.9		99.9	99.9	99.9 99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.3	99.7 99.7	99.8	99.9			99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.3	99.7 99.7	99.8 99.8		99.9 55.9			99.9 99.9		100.0						

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥ه	≥5	≥ 4	≥3	≥2½	≥2	≥1½	≥1%	≥}	≥ 3,4	≥ ¾	≥%	≥ 5/16	≥14	≥0
NO CEILING ≥ 20000	68.1 76.7	68.3	68.4 77.0	68.4 77.1	68.4 77.1	68.4 77.1	68.4 77.1	68.4 77.2	68.4		68.4	68.4	58.4	68.4	68.4 77.2	
≥ 18000 ≥ 16000	77.5 79.5	77.8	77.8	77.8	77.9 79.9	77.9	77.9		77.9 80.0	77.9	78.0 80.0	78.0 80.0	78.0	78.0 80.0	78.0	
≥ 14000 ≥ :2000	85.3 91.7	85.7 92.1	85.7 92.2	85.7 92.2	85.8 92.3	- }	- 1	85.9 92.4	85.9 92.4		85.9	85.9 92.4	85.9 92.4	85.9 92.5	86.0 92.5	86.0 92.5
≥ 10000 ≥ 9000	94.2 95.3	94.7	94.8				95.0	95.0	_		95.0 96.1	95.0	95.1 96.1	95.1 96.1	95.1 96.2	95.1 96.2
≥ 8000 ≥ 7000	96.7 97.5	97.1 98.1	97.3 98.2	97.3 98.3			97.6 98.5		97.6	97.7	97.7 98.6	97.7 98.6	97.8 98.7	97.8 98.7	97.8 98.8	
≥ 6000 ≥ 5000	97.9 98.3		1 7 7 1	98.8 99.2		98.9 99.3	99.0 99.4		99•1 99•5	1	99.2 99.6	99.2 99.6	99•3 99•7	99.3 99.7	99.3 99.7	
≥ 4500 ≥ 4000	98.3 98.4			99.2 99.3		99.4 99.4	99.5 99.5	99.5 99.6	99.5 99.6		99.6 99.7	99.6 99.7	99.7 99.8	99.7 99.8	99.8 99.8	1
≥ 3500 ≥ 3000	98.4 98.4	99.0 99.1	99.2 99.3	99.3	•	99.4 99.5	99,5 99.6	99.6 99.6	99.6 99.6		99.7 99.7	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.9	
≥ 2500 ≥ 2000	98•4 98•4	99.1 99.1	99.3 99.3	99.3 99.3		99.5 99.5	99.6 99.6	99•6 99•6	99.6	99.7	99.8 99.8	99.8 99.8	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	98.4 98.4		99.3	99.3		99.5 99.5	99.6 99.6	99•6 99•6	99.6 99.6	99.7 99.7	99.8 99.8	99.8 99.8	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	98.4 98.4		99.3	99.3	99.5		99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.8	99.8 99.8		99.9		99.9	99.9
≥ 900 ≥ 800	98.4 98.4	99.1	99.3 99.3	99.3 99.4	99.5	99.5 99.5	99.6 99.6	99.7 99.7	99.7 99.7	99.8 99.8	99.8	99.8 99.8	99.9	99.9 99.9		100.0
≥ 700 ≥ 600	98.4 98.4		99.3 99.3	99.4	99.5			99.7 99.7	99.7 99.7		99.8 99.8	99.8 99.8	99.9	99.9	99.9	100.0 100.0
≥ 500 ≥ 400	98.4 98.4	99.1	99.3	99.4	99.5	99.5 99.5	99.6	99.7 99.7	99.7 99.7	99.8 99.8		99.8 99.8	99.9	99.9	99.9	100.0 100.0
≥ 300 ≥ 200	93.4		99.3	99.4	99.5	99.5	99.6	99.7	99.7		99.8	99.8 99.8	99.9	99.9	99.9	100.0
≥ 100 ≥ 0	98.4 98.4		99.3			99.5	99.6 99.6	99.7	99.7 99.7			99.8 99.8	99.9	-		100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 21018

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

# CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER

42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							√ISI	BILITY (STA	ATUTE MILE	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1%	≥1¼	≥1	≥ 1,4	≥%	≥ ⅓	≥5/16	≥ ¼	≥0
NO CEILING ≥ 20000	72.1 80.1	72.3			72.4 80.5	72.4 80.5	72.4 80.5	72.4 80.5	72.4 80.5	80.5	72.4 80.5		72.4 80.5	72.4 80.5	72.4 80.6	80.6
≥ 18000	80.8 82.1		82.3		81.1 82.4	81.1 82.4	81.1 82.4	81.1 82.4	81.1 82.4	81.1 82.4	81.2 82.4			81.2 82.5	81.2 82.5	82.5
≥ 14000 ≥ 12000	86.5 91.7	86.8 91.9		92.1	86.9 92.1	85.9 92.1		87.0 92.2	92.2	92.2	87.0 92.2	92.2	92.3		87.0 92.3	92.3
≥ 10000 ≥ 9000	93.7		95.1	95.2	94.3	94.3		94.3	95.3	95.3	95.3	95.3	95.4	94.4	95.4	95.4
≥ 8000 ≥ 7000	96.9	<del></del>	97.5	97.6	96.7 97.7	97.7	96.7 97.8	96.7 97.8	97.8	97.8	97.8	97.8	97.9	96.8 97.9	96.9	97.9
≥ 6000 ≥ 5000	97.5 98.1	98.0 98.5	98.2 98.7		98.4	99.0		98.5 99.1	98.5	99.1	98.5 99.2	99.2	98.6 99.3	98.6	99.3	
≥ 4500 ≥ 4000 ≥ 3500	98.1 98.3 98.3	98.6 98.7 98.8	98.8 99.0	99.0	99.1 99.2 99.3	99.1. 99.2 99.3	99.1 99.3	99.2	99.2 99.3	99.4 99.4	99.3 99.4 99.5	99.4	99.5		99.4 99.5 99.6	99.6
≥ 3000	98.3	98.8	99.1	99.2 99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7
≥ 2000	98.4 98.4	98.9		99.3	99.5	99.5	99.5	99.6	99.6	99.6		99.7	99.8	99.8	99.8 99.8	99.8
≥ 1500	98.4	99.0	99.2		99.5		99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8		99.9
≥ 1000	98.4	99.0	99.2	99.3	99.5	99.5	99.6	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9
≥ 800	98.4	99.0	99.2		99.5	99.5	99.6	99.6	99.6		99.8	99.8	99.8	99.8		99.9
≥ 500	98.4	99.0		99.3	99.5	,	99.6	99.6	99.6	- 1	99.8	99.8		99.8	99.9	99.9
≥ 400	98.4				99.5	99.5	99.6	99.7	99.7	99.7 99.7	99.8		99.9		-	99.9
≥ 200	98.4	99.0		99.3	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8		99.9	99.9	100.0
≥ 0	98.4	99.0	99.2		99.6		99.7	99.7	99.7	99.8	_	99.8	99.9			100.0

TOTAL NUMBER OF OBSERVATIONS 21502

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

# CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1½	≥1	≥ 34	≥ ⅓	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	84.6 88.2	84.8	84.8	84.8	84.8	84.8 88.4	• • • •	84.8	84.8	84.8 88.5	84.8	84.8 88.5	84.9 88.5	84.9 88.5	84,9 88.5	84.9
≥ 18000 ≥ 16000	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9 89.4	88.9	88.9	88.9	88.9 89.4
≥ 14000 ≥ 12000	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6 94.4		91.ú 94.4		91.7	91.7	91.7	91.7
≥ 10000 ≥ 9000	95.5 96.1	95.7	95.8	95.8	95.9 96.4	95.9	95.9	95.9	95.9	95.9	95.9	95,9	96.0	96.5	96.0	96.0
≥ 8000 ≥ 7000	90.8	97.0 97.8	97.1	97.1	97.2	97.2		97.2	97.2	97.3	97.3		97.3			
≥ 6000 ≥ 5000	98.3 98.7	98.6 99.1	98.7	98.8	98.8	98.8	98.9	98.9		98.9		98.9	99.0	99.0	99.0	99.0
≥ 4500 ≥ 4000	98.8 98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.5 99.6	99.5		99.5	99.5	99.6	99.6	99.6	99.6 99.8
≥ 3500 ≥ 3000	99.0 99.1	99.4		99.5 99.6	99.6 99.7	99.7		99.7 99.7	99.7	99.7 99.8	99.7 99.8	99.7	99.8	99.8 99.9		99.8
≥ 2500 ≥ 2000	99.1	99.4	99.6		99.7 99.7	99.7 99.7		99.7	99.8	99.8 99.9	99.8	-		99.9		99.9 100.0
≥ 1800 ≥ 1500	99.1 99.1	99.5	99.6	99.7	99.7 99.7	99.7		99.8 99.8	99.8	99.9	99.9				100.0	
≥ 1200 ≥ 1000	99.1 99.1	99.5	99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.8	99.8 99.8	99.8	99.9	99.9	-			100.0 100.0	
≥ 900 ≥ 800	99.1 99.1	99.5 99.5	99.6 99.6		99.7 99.7	99.7		99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9		99.9	99.9	100.0 100.0	100.0
≥ 700 ≥ 600	99.1 99.1	99.5 99.5	99.6 99.6		99.7 99.7	99.7 99.7		99.8	99 • 8 99 • 8		99.9	99.9	99.9	99.9		100.0
≥ 500 ≥ 400	99.1 99.1	99.5 99.5	99.6	99.7	99.7 99.7		99.8	99.8	99.8	99.9		99.9	99.9	99.9	100.0	100•0 100•0
≥ 300 ≥ 200	99.1 99.1	99.5	99.6	99.7	99.7 99.7		99.8	99.8	99.8	99.9	99.9	99.0	99.9	99,9	100.0	100.0 100.0
≥ 100 ≥ 0	99.1 99.1	99.5 99.5			99.7 99.7	99.7 99.7		99.8 99.8			99.9 99.9					100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 20384

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# CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

JCT MONITE

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS ILST

CEILING							VIS	IBIEITY (STA	ATUIE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓2	≥2	≥1%	د≀ا≤	ا≤	≥ ½	≥%	ביי≤	≥5 16	≥'₄	≥0
NO CEILING ≥ 20000	82.2 86.8	82.5 87.2	82.6 87.2			82.6 87.3						82.6 87.3	82.6 87.3			[
≥ 18000 ≥ 16000	87.2 88.0		87.6 88.5		. 1			87.7 88.6			1 1	87.7 88.6		87.7 88.6	97.7 88.6	
≥ 14000 ≥ 12000	39.9 91.8		90.4 92.3	90.4 92.3		- 1		92.4	92.4		90.5 92.4	90.5 92.4	90.5	92.4	90.5 92.4	
≥ 1000C ≥ 9600	93.1 93.8	93.5 94.2	94.3	94.3	94.4		94.4	94.4	94.4	94.4	94.4	93.8	94.4	94.4		94.5
≥ 800° ≥ 7000	94.7 95.6	96.1	96.2	96.3	96.3	95.4	96.4	96.4	95.4 96.4	96.4	96.4	96.4	96.4	96.4	95.5	95.4
≥ 6000 ≥ 5000	96.7 97.8	98.4	98.6	98.6	98.7	97.5 98.7	98.8	98.8	97.6 98.8	98.8	98.8	97.6 98.8	98.8	98.8	98.8	98.8
≥ 4500 ≥ 4000	98.0 98.2	98.9	99.0	99.1	99.2	98.9	99.3	99.3	99.3	99.3	99.4	99.0	99.4	99.4	99.4	99.4
≥ 3500 ≥ 3000	98.4 98.5	99.1	99.2	99.4	99.5	99.4	99.6	99.6	99.5	99.6	99.6		99.6	99.6	99.6	99.6
≥ 2500 ≥ 2000	98.6 98.6	99.3	99.5	99.6	99.7				99.8	99.9	99.9	99.8	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	98.7 98.7	99.3	99.5	99.6	99.8		99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	98.7 98.7		99.6	99.7			99.9			79.9	99.9		99.9	99.9	100.0	100.0
≥ 900	98.7	99.3 99.4	99.6	99.7	99.8	99.8		99.9		99.9	99.9	99.9	100.0	100.0	106.0	
≥ 700 ≥ 600	98.7 98.7		99.6	99.7			99.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.7		99.6	99.7			95.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.7	99.4	99.6	99.7		99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7 98.7			99.7							100.0 100.0					

TOTAL NUMBER OF OBSERVATIONS.....

20903

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

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23104 HILLIAMS AFB ARIZUNA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS ILS!

CEIUNG							VIS	IRILITY (STA	ATUTE MILE	5)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥11⁄4	≥1	≥ ¼	≥ ¾	≥%	≥ 5/14	≥¼	≥0
NO CEILING ≥ 20000	78.1 84.9	79.0 86.0	79.3 86.2	79.4 36.4	79.4 85.4				79.5 86.5	79.5 86.5	79.5 86.5		79.5 86.5	79.5 86.5	79.5 86.5	1 _ i
≥ 18000 ≥ 16000	85 • 4 86 • 4	86.5 87.5		86.8 87.9		1	86.9 88.0	86.9 88.0	86.9		87.0 88.0	87.0 88.0		87.0 88.1	87.0 88.1	
≥ 14000 ≥ 12000	88 • 1 89 • 6	89.3 90.8	89.5 91.1	89.7 91.2	89.7 91.3	89.7 91.3		89.8 91.3	89.8 91.3	89.8		89.8	89.8	89.8 91.4	89.8 91.4	1 1
≥ 10000 ≥ 9000	91.0 91.4	92.2 92.7		92.7 93.1	1	92.7 93.1		92.8 93.2		92.8 93.2	92.8 93.2	92.8	92.8 93.3	92.8 93.3		92.9
≥ 8000 ≥ 7000	92•4 93•4	93.7 94.7		- 1	94.2 95.1	94.2 95.1			94·2 95·2	94.2 95.2	94.3 95.2	94.3	94.3 95.2	94.3 95.3	1	1 1
≥ 6000 ≥ 5000	94.6 95.9	95.9 97.3		96.4 97.8	96.4 97.9	97.9		96.5 97.9		96.5 98.0	96.5 98.0		96.5 98.0	98.0	98.0	98.0
≥ 4500 ≥ 4000	96.2 96.6	97.6	98.5	98.6				98.7	98•2 98•8	لحت ح						98.8
≥ 3500 ≥ 3000	96.9 97.0		99.0		99.2	99.2		99.3	99.0	99.3	1	99.3				
≥ 2500 ≥ 2000	97.2 97.2	98.8 98.9	99.2	99.3 99.4	99.5	99.5		99.4 99.6	99.4	99.6					99.0	99.6
≥ 1800 ≥ 1500	97.2 97.3		99.3	99.4			99.5		99.6 99.6		99.7	99.7	99.6 99.7	99.7	99.7 99.7	
≥ 1200 ≥ 1000	97.3 97.3	99.0	99.4		99.7	99.7	99.7		99.7 99.8		99.8	99.8		99.9		99.9
≥ 900 ≥ 800	97.3 97.3	99.0	99.4		99.7	99.7	99.7			99.8	99.9	99,9	99.9	99.9		99.9
≥ 700 ≥ 600	97.3 97.3	99.0	99.4		99.7	99,7	99.8	99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9
≥ 500 ≥ 400	97.4	99.1	99.4	99.6	99.8	29.8		99.9	99.9		99.9	99.9		100.0	100.0	100.0
2 300 ≥ 200	97.4	99.1	99.4	99.6	99.8	90.8	99.8		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
? '00 ≥ 0	97.4											_				100.0

TOTAL NUMBER OF OBSERVATIONS 19930

USAF ETAC JULIA 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILI	<b>S</b>						
(FEET,	≥10	≥6	≥5	≥ 4	≥3	≥21⁄2	≥ 2	≥15	≥1%	≥ı	≥ ¼	≥%	≥ 2	≥5.16	≥ 4	≥0
NO CEILING ≥ 20000	71.4 79.4	72.4 80.5		72.6 80.7	72.7 80.8	72.7 80.8	72.7	72.7 80.8	72.7 80.8	72.7 80.8	80.8	72.7 80.8	3U • 8			80.9
≥ 18000 ≥ 16000	80.1 81.4		82.7		81.5 82.9	81.5 82.9				82.9	82.9	81.6 82.9	82.9	82.9	81.6 83.0	83.0
≥ 14000 ≥ 12000	83.8	85.0 87.1	87.3	85.2 87.4	85.3 87.5	85.3 87.5	87.5	87.5	87.6		97.6	85.3 87.6	97.6	85.3 87.6	85.4 87.6	87.6
≥ 10000 ≥ 9000	87.4 88.0			89.6	89.0	89.0 89.7	89.7	89.1 89.7	89.1	89.7	89.1	89.7	89.7	89.7	89.3	89.8
≥ 8000 ≥ 7000	89.4 91.0	90.7 92.3		91.0 92.6	91.1	91.1			91.2	91 • ? 92 • 8		91.2		91.2	91.2	92.9
≥ 6000 ≥ 5000	92.6	94.0	96.2	94.4 96.3	94.5		90.5	96.5	6.5	96.5	96.5	94.5		94.5	96.6	96.6
≥ 4500 ≥ 4000	95.0 95.7	96.5 97.3	97.5				97.8	97.8	97.8	97,9	97.9	97.3		97.9	97.1 97.9	97.9
≥ 3500 ≥ 3000	96.0 96.3	97.6 98.0	96.3	98.4		96.2 98.5		98.6	98.6		98.6	98.3 98.6			98.7	98.7
≥ 2500 ≥ 2000	96.5 96.6	98.3 98.5	98.8	99.0		98.9 99.2	99.0	99.2	99.3		99.3			99.0	99.1 99.3	99.4
≥ 1800 ≥ 1500	96.6	98.5 98.5	98.9	99.1	99.3	99.2	99.4	99.4	99.4	99.4	99.4	99,4	99.3	99.5	99.4	99.5
≥ 1200	96.8			99.3		99.5	99.4	99.6		99.6	99.6			99.6	99.6 99.7	99.7
≥ 900 ≥ 800	96.8 96.8	98.7	99.1	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7 99.7	99.8
≥ 700 ≥ 600	96.8	98.7	99.1	99.3			99.6	99.7	99.7	99.7			99.7		99.8	99.8
≥ 500 ≥ 400	96.8 96.8	98.7	99.1	99.3	99.5	99.5			99.7	99.8	99.8	99.B	99.8	99.8	99.8	99.9
≥ 300 ≥ 200	96.8 96.8	98.7	99.1	99.3	99.5			99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100 ≥ 0	95.8 95.8			99.3 99.3					99.7 99.7			99•8 99•8				100•0 100•0

TOTAL NUMBER OF OBSERVATIONS

19991

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFL ARIZUNA/CHANDLER 43-61,64-65,73

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MILE	ES)						
(FEET)	≥10	≥6	≥5	≥,	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥1	≥ '₄	≥%	2%	≥ 5/16	≥ ¼	≥0
NO CEILING	75.5	75.6		75.7	75.7	75.7		1		1	1	75.8	75.6			75.8
≥ 20000	80.2	80.3		80.5			80.0			80.6			80.6			
≥ 18000	81.1	81.3	81.3	81.4		81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 16000	81.9									82.3						82.3
≥ 14000	83.6	83.7	83.7	83.8		83.9	84.0		84.0	84.0		84.0				1
≥ 12000	86.2	86.3	86.3													
≥ 10000	87.5	87.7	87.7	87.8		87.9		88.0	88.0							
≥ 9000	88.0	88.2														88.6
± 8000	88.8	89.0	89.1	89.2		89.4	- 1		89.5	89.5	1	89.5			89.5	1
≥ 7000		91.2		91.4					91.7					91.7		91.7
≥ 6000	92.1	92.7	92.8	92.9	93.1	93.1	93.2		93.2	93.2	93.2	93.2	92		93.2	
≥ 5000	94.5	95.3		95.5				95.9			95.9	95.9				
± 4500 ≥ 4000	95.2	96.0	-	96.2	96.5			96.7	96.7	96.7	96.7	96.7	96.7		96.7	
	96.0			97.4	97.6				97.8							
≥ 3500 ≥ 3000	96.4	97.7	97.8	98.0		98.4	. 1					98.6				
	95.7		98.2				98.9				98.9				98.9	
≥ 2500 ≥ 2000	96.9	97.4		98.7	99.1	99.2			99.3							, ,
<u></u>			98.6					99.6			99.6					
≥ 1800 ≥ 1500	97.0	98.6														
ļ	97.1				99.5											
≥ 1200	97.1	98.8									99.8					
	97.1							99.8			99.8				99.8	
≥ 900	97.1	-						99.8			99.8					
	97.1										99.8			99.9		
≥ 700 ≥ 600	97.1							99.8			99.8					
<del></del>	97.1				99.6			99.9			99.9					
≥ 500 ≥ 400	97.1	98.9							99.9		99.9		•			
	97.1						99.4		99.9		99.9			99.9		
≥ 300	97.1		1					· · ·	99.9		99.9	i '	1	99.9	1	1
		98.9					99.9				99.9					99.9
≥ 100 ≥ 0	97.1				, ,		99.9								,	
<u> </u>	97.1	98.9	99.0	99.2	99.6	77.7	77.9	3217	77.9	77.9	77.7	77.7	77.7	27.9	77.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1888

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZINA/CHANDLER 43-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES,	<del></del>					
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1½	≥1⅓	≥1	≥ 16	≥¾	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	75.8 80.4	76.0 80.7	76.1 80.7	76.1 80.7	76.1 80.8	76.2 80.8			76.3 80.9	76.3 80.9	76.3 80.9	76.3	~ • • • • • • • • • • • • • • • • • • •	76.4 81.0	76.4 P1.0	76.4 81.0
≥ 18000 ≥ 16000	81.2 82.2	82.5	82.5	82.5	82.6	82.6		81.8 82.7	81.8	81.8 82.7	81.8 82.7	81.8 82.7		81.8	81.9 82.8	31.9 82.3
≥ 14000 ≥ 12000	83.6 85.4	83.8	85.7	85.7	85.8	84.0 85.8	85.9	84.1 86.0		84.1 86.0	84.1 86.0		84.2 85.0		86.1	84.2
≥ 10000	87.1 87.5	87.8	87.9	87.9	88.0		87.6	87.7	87.7 88.2	87.7 88.2	87.7 88.2	87.7 88.2	87.7 88.3	87.7	87.8 88.3	87.8 85.3
≥ 8000 ≥ 7000 ≥ 6000	88.6 90.4	89.0 90.8	90.9				89.4 91.2	89.4 91.2	91.2	91.2	91.2	89.4 91.2	89.5 91.3	89.5 91.3	89.5 91.3	89.5 71.3
≥ 5000 ≥ 4500	92.3	92.9 94.7 95.5	94.8		95.0		93.3	95.2	93.3 95.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4
≥ 4000	94.6 95.5 95.9	96.6	96.8	96.8	97.0	95.8 97.0 97.6	75.9 97.1 97.7	96.0 97.2 97.8	96.0 97.2 97.8	96.0 97.2 97.8	96.0 97.2 97.8	93.0 97.2 97.8	96.0 97.2 97.8	96.0 97.2 97.8	96.1 97.3 97.9	96.1 97.3 97.9
≥ 3000	96.3	97.6	97.7	97.7		- 1		98.2	98.8	98.2 98.8	98.2	98.2 98.8	98.2	98.2	98.2	98.2
≥ 2000	96.8	93.5	98.6			98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
≥ 1500	97.0 97.0	1	98.8	98.8	99.0		99.1 99.1	99.2 79.2	99.2		99.2	99.2	99.2	99.2	99.3	99.3
≥ 1000	97.0 97.0	98.8	98.9	98.9	99.2	99.2	79.3 99.3	99.4	99-4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 800 ≥ 700 ≥ 600	97.0	98.8	98.9		99.2	99.2	99.4	99.4	99.4	99.4	99.4		99.4	99.4	99.5	99.5
≥ 500	97.0	98.8 98.8		99.0	99.3	99.3	99.4	99.5	99.5	99.5	79.5	99.5		99.5	99.6	
≥ 400	97.0	98.8	99.0	9.0	99.3	99.4	99.5	93.6	99.5	99.6 99.0	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200 ≥ 100 ≥ 0	97.0	98.8	99.0	99.0	99.4	99.4	99.6	99.8	99.8	99.8	1	99.0	99.9		100.0	99.9
<u>"</u>	97.0	98.6	99.0	99.0	99.4	99.4	99,5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

43-74

VAL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							ViSI	BILITY (STA	ATUTE MILL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥ 3	≥2%	≥2	≥1%	≥1¼	≥ı	≥ ¾	≥ ⅓	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	71.9 77.9		72.6 78.7	72.6 78.7	72.7 78.7	72.7 78.7	72.7 78.8	72.7 78.8	72.7 78.8	72.8 78.8	78.8	78.8	78.8	72.8 78.9	79 و ن	
≥ 18000 ≥ 16000	78.7 80.0		79.5	79.5 80.7	79.6 80.8	79.6 80.8		79.6 80.8	79.6 80.8	79.7 80.9	79.7 80.9	79.7 80.9	79.7 80.9		79.8 81.0	79.9 81.1
≥ 14000 ≥ 12000	82.0 83.9	84.4	82.8 84.7	82.8 84.7	82.9 84.8		82.9 84.8	82.9 84.8	82.7 84.8	83.0 84.9	83.0 94.9	83.0 84.9	83.0	83.0 84.9	85.0	
≥ 10000 ≥ 9000	85.2 86.0		86.8	86.0 86.9	87.0						86.3 87.1	86.3	97.1	87.1	86.4 87.2	86.4
≥ 8000 ≥ 7000	87.5 88.6	89.2	88.4 89.5	88.5 89.6	89.7	88.6 89.7	88.6 89.8		88.6 89.8	88.7 89.9				88.8	90.1	90.1
≥ 6000 ≥ 5000	91.0 93.1	91.8	92.1 94.6	92.2	94.8	92.3 94.8	94.9		92.4 94.9	92.5 95.1	92.5	92.5 95.1	92,5 95.1	92.5	92.6 95.3	95.3
≥ 4500 ≥ 4000	93.6	94.8	95.1 96.1	95.2 96.2	95.4	96.4	95.5 96.5	96.5	95.5 96.5	95.6 96.6		95.6 96.6	95.7 96.6		95.8 96.8	
≥ 3500 ≥ 300°	94.7 95.2	96.1 96.8	96.5	96.6	97.6		96.9	96.9 97.7	96.9 97.7	97.1 97.9		97.9	97.1 97.9	97.1 98.0		93.1
≥ 2500 ≥ 2000	95.6 95.8	97.2 97.5	97.7 98.0	97.9 98.2	98.1 98.3				98.2 98.5	98.4 98.7	98.7	98.7	98.4	98.5 98.7	98.9	98.9
≥ 1800 ≥ 1500	95.9 95.9	97.5 97.6		98.2 98.4			98.5 98.7	98.7		98.7 98.8		98.7 98.8	98.7 98.9		99.1	99.0 99.1
≥ 1200	95.9 96.1	97.6 97.6	98.4		98.7	98.7				98.9 99.1	99.1	98.9 99.1	98.9	99.2	99.3	
≥ 900 ≥ 800	96.1	97.8	98.4	98.6	98.8	98.8	99.0	99.1	95.1	99.2		99.2	99.2	99.3	99.4	99.5
≥ 700 ≥ 600	96.1	97.9 98.0	9825	98.7	99.0	99.0	99.1	99.2	99•1 99•2	99.3	99.4	99.4		99.4	99.6	99.5
≥ 500 ≥ 400	96.1 96.1	98.0	98.6	98.8	99-1	99.1	99.3	99.3	99.3		99.5	99.4	99.5	99.0	99.7	99.8
≥ 300 ≥ 200	96.1 96.1	38.0 98.0	98.6	98.8	99.1	99.1 99.1	99.3	99.4	99.4	99.6	99.5	99.6	99.7	99.7	99.9	99.8
≥ 100	96.1	78.1 98.1	98.7 98.7			99.2							99.7			100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2685

USAF ETAC JUL 64 U-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

# CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEIUNG (FEET)							VIS	IBILITY (ST	ATUTE MIL	ES)						
	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥1	≥ ¾	≥%	≥ ½	≥ 5/16	≥ }₄	≥0
NO CEILING ≥ 20000	68.8 76.9		70.3 78.4	78.6	78.7				70.6 78.8			70.6 78.8		70.5 78.8		
≥ 18000 ≥ 16000	78.2 79.1	79.5 80.4			80.i 81.0	80.1		80.1	80.1	80.1	80.1		80.1	85 1	80.1	80.2
≥ 14000 ≥ 12000	81.4 82.7	82.6 54.1	83.1 84.4	83.3 84.6	83.4	83,4	83.4	83.5	83.3 84.8	83.5	83.5	83.5	81.0	83.5	81.0	83.5
≥ 10000 ≥ 9000	84.4 85.0	85.8 86.4	86.1 86.7	86.3 86.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
≥ 8000 ≥ 7000	85.9 87.1	87.3 88.5	• .	87.8 89.1	88.0 89.2	88.0	88.0	88.C 89.3	88.0 89.3			88.0	88.0	88.0	87.1	87.1
≥ 6000 ≥ 5000	88.8 91.1	90.3 92.7	90.6 93.4	90.9	91.1	91.1	01.1	91,1 94.1	91,1 94.1	91.3	91.3	91.3	91.3	91.3	91.3	- ^ • -
≥ 4500 ≥ 4000	92.2	93.8 94.8	94.4	94.8 95.8	95.1	95.1	95.1 96.1	95.2 96.2	95.2 96.2	95.3 96.3	95.3	,	94.2	95.3	94.2	94.3
≥ 3500 ≥ 3000	93.3 93.8	95.3 96.0	96.0 96.6	96.3	96.7	96.7	96.7	96.8	96.8	96.9	96.9	96.3 96.9 97.7	96.9	96.9	96.4	96.4
≥ 2500 ≥ 2000	94.2 94.5	96.3	97.0 97.4	97.4 97.8	97.9 98.2	97.9	98.0	98.1 98.5	98.1 98.5	98.2	98.2	98.2	98.2	98.2	97.8 98.2	97.8
≥ 1800 ≥ 1500	94.7	96.9	97.6	98.1 98.1	98.5 98.6	98.6 98.6	98.7	98.7	98.7			98.6	98.9	98.9	98.9	99.0
≥ 1200 ≥ 1060		97.2 97.4	97.9 98.1	98.3	98.8 99.0	98.8	98.9	99.0 99.2	99.0 99.2	99.1	99.1	98.9 99.1 99.4	99.1	99.1	98.9	99.0
≥ 900 ≥ 800		97.4	98.1 98.2	98.5	99.0 99.1	99.0	99.2	99.2	99.2	99.4	79.4 99.5	99.4	99.4	99.4	99.4	99.5
≥ 700 ≥ 600		97.5	98.2	98.7	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.5	99.6	99.6	99.7	99.6
≥ 500 ≥ 400		97.5 97.5	98.2	98.8	99.3	99.3	99.5		99.6	99.3	99.8		99.9	99.9	99.91	99.8
≥ 300 ≥ 200		97.5 97.5		98.8	99.3	99.3		99.5	99.6	99.3	99.8	99.8	99.9	99.9	99.91	00.0
≥ 100 ≥ 0				98.8	99.3	99.3	99.5		99.5	99.8	99.8	99.8	99.9		99.91	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PARVIOUS EDITIONS OF THIS FORM ARE DISOLETE

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# CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZUNA/CHANDLER 43-74

MAL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	1						VISI	BILITY (STA	ATUTE MIL	ES)						
(FEET-	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1%	≥134	≥۱	≥¼	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	66.5 77.1	67.6 78.2	67.7 78.3	,	67.7	67.7 78.3	67.7 78.3	67.7 78.3	67.7 78.3	!	67.7 78.3	67.7 78.3	67.7 78.3	67.7 78.3		67.7 78.3
≥ 18000 ≥ 16000	78.2 79.2	79.3 80.3	79.4 80.4	79.4 80.4	79.4		79.4	79.4 80.4	79.4		79.4 80.4		79.4	79.4	79.4 80.4	
≥ 14000 ≥ 12000	81.6 83.3	82.8 84.5	82.8 84.5					82.8 84.6	82.8		82.8	82.8		32.8 84.6		
≥ 10000 ≥ 9000	84.8	86.0 86.6	86.1 86.6	86.1 86.6	86.1	86.1 86.6		86.2	86.2	86.2	86.2	86.2	86.2	86.2 86.7	86.2 86.7	
≥ 8000 ≥ 7000	86.6 87.9	37.9 89.3	88.0 89.3	88.0	88.0	88.0	88.1	88.1 89.5	88.1	88.1	88.1		88.1	88.1	88.1 89.5	88.1 89.5
≥ 6000 ≥ 5000	88.9	90.3	90.3	90.3 92.0	90.4 92.1	90.4 92.1	_	90.5 92.2		90.5 92.2		90.5	90.5	90.5	90.5	90.5
≥ 4500 ≥ 4000	91.5 92.5	93.1 94.1	93.1 94.2		93.3		93.5 94.6								93.5	
≥ 3500 ≥ 3000	93.3 94.4		95.2 96.5	95.3 96.7			95.6 97.1			95.6 97.1	95.6	97.2	97.Z	97.2		
≥ 2500 ≥ 2000	95.1 95.7		1				98.8	98.8	98.8		98.9	98.9	98.9	98.9	1	98.0 98.9
≥ 1800 ≥ 1500	95.8 95.9	97.8 98.1			98.7 99.0	99.1	99.3	99.0 99.3								
≥ 1200 ≥ 1000	95.9	98.2		99.0	99.3	99.3	99.5	99.4	99.5	99.6	99.5	99.6	99.6	99.6	99.6	99.6
≥ 900 ≥ 800	95.9 95.9	98.3	98.7		99.4	99,4	99.6	99.6	99.6	99.7	99.8	99.4	99.8	99.8	99.8	99.8
≥ 700 ≥ 600	95.9 95.9	98.4	98.8		99.4	99.4	99.6	99.6	99.7	99.7	99.8	90.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	95.9	98.4		99,2	99.5		99.8	99.8	99.8	99.9		100.0	99.9 100.0	100.0	100.0	
≥ 300 ≥ 200	95.9	98.4	98.8	99.2			99.8	99.8	99.8	99.9	100.0	100.0	100.0 100.0	100.0	100.0	100.0
≥ 100 ≥ 0	95.9				99.5			99.8 99.8								100.0

TOTAL NUMBER OF OBSERVATIONS...

2856

USAF ETAC 101.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE CASCILETE

# CEILING VERSUS VISIBILITY

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C

WILLIAMS AFB ARIZUNA/CHANDLER

43-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥ 2	≥1½	≥1¼	≥1	≥ 5.4	≥ 3/8	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	64.6 77.9	65.3 78.5		65.3 78.6	55.3 78.6		[	65.3 78.6	65.3 78.6	65.3 78.6	65.3 78.6				65.3 78.6	
≥ 18000 ≥ 16000	79.0 80.1	79.7 50.7		79.7 80.6	79.7 80.8	79.7 80.8	79.7 80.8	79.7 80.8	79.7 80.8	79.7 80.8	79.7 80.8	79.7 80.8	79.7 80.8		79.7 80.8	
≥ 14000 ≥ 12000	33.0 85.1	83.7 85.8			63.8 86.0		86.0			86.0	83.8 86.0			86.0	83.8	83.8
≥ 10000	86.7 87.4		88.3	88.3		88.3	88.3		88.3	88.3	88.3	88.3	88.3	88.3	38.3	88.3
≥ 8000 ≥ 7000	<del></del> +	89.9 91.6	91.9			91.9	91.9	90.1 91.9	91.9	91.9		91.9		91.9		91.9
≥ 6000 ≥ 5000	92.1 93.6		94.9	94.9		94.9	94.9	94.9		94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 4500 ≥ 4000	94.3	95.4	96.5	96.5		96.5	96.5	95.7 96.5	96.5	96.5	95.7	96.5		96.5		96.5
≥ 3500 ≥ 3000	95.9 96.5	97.2 98.1	98.4	98.4		98.5	95.6	97.5 98.5	98.6	98.6	98.6	98.6	98.6	98.6		98.6
≥ 2500 ≥ 2000	96.9	98.4 98.6	99.1	99.1	99.2	99.2	99,2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 1800 ≥ 1500 ≥ 1200	96.9 96.9	98.8	99.3		99.3 99.4 99.5	99.4	99.5	99.4 99.5	99.5	99.5	99.4 99.5 99.7	99.5	99,5	99.5	99.5	99.5
≥ 1000	96.9	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 800	96.9	98.9		99.5	99.5	99.5	99.	49.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	96.9	98.9	99.4	99,5	99.5	99.5	99.8	99.8	99.8	99,9	99.9	99.9	99.9	99.9	90.9	99.9
≥ 400	95.9	98.9	79.4	99.5	- 1	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 100	96.9	98.9	99.4	99.5	99.6	99.6	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.9	98.9	- 1		99.6			99,9								100.0

TOTAL NUMBER OF OBSERVATIONS 2774

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS ED CONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFE ARIZUNA/CHANDLER 43-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VI\$	BILITY (STA	TUTE MILI	ES)						]
:FEET,	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥%	≥ ¾	≥ 1/2	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	71.4 81.0	71.8 81.3	71.8 81.4	71.8 81.4	71.8 81.4	71.8 81.4	71.8 81.4		71.8 81.4	71.8 81.4		71.8 81.4	71.8 81.4	71.8 81.4	71.8 81.4	1 1 1
≥ 18000 ≥ 15000	81.7 83.1	82.1 83.5	82.1 83.6	82.1 83.6	82.1 83.6	82.1 83.6	82.1	82.1 83.6	82.1 83.6	82.1 83.6	82.1 83.6	82.1 83.6	82.1	82.1 83.6	82.1 83.6	82.1 83.6
≥ 14000 ≥ 12000	85.3 87.5	85.7	85.7 88.0	85.7 88.0	85.7 88.0	85.7 88.0	85.7 88.0			85.7 88.0		85.7 88.0	85.7 88.0	-	85.7 88.0	85.7 88.0
≥ 10000 ≥ 9000		89.5	89.7	89.2 89.7		89.2 89.7	89.2 89.7		89.7	89.2 89.7		89.2 89.7		89.7		89.7
≥ 8000 ≥ 7000	90.5	92.4	92.6		92.6			92.6	92.6	92.6	92.6	91.2 92.6	91.2		91.2 92.6	
≥ 6000 ≥ 5000	93.4 95.2	96.2	96.4		96.4			96.4	96.4	96.4	96.4	94.5 96.4	94.5	96.4	94.5	96.4
≥ 4500 ≥ 4000	95.7 96.6	97.6	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0		98.0	98.0	98.0	98.0
≥ 3500 ≥ 3000	97.5	98.6	98.9	98.9	99.0	99.1	99.1	99.1	98.8 99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500 ≥ 2000	97.8 97.8		99.3		99,4	99.4	99.5	99.5	99.4	99.4	99.5	99.4	99.4 99.5	99.4		99.5
≥ 1800 ≥ 1500	97.8 97.8	99.0	99.4	99.4			99.6	99.6	99.6		99.6	99.6	99.6		99.6	99.6
≥ 1200	97.8	99.1	99.5	99.5	99.7	99.8		99.9		99.9	99.9	99.8				99.9
≥ 900 ≥ 800	97.8 97.8		99.5	99.5	99.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	97.8	99.1	99.5 99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 200	97.8	99.1	99.6 99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	99.1	99.6	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.8	-	-	- 1							100.0					

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZUNA/CHANDLER

43-74

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)	<del></del>	<del></del> ,			<del></del>	
(FEET)	≥10	≥6	≥5	<u>본</u> 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ 1,4	≥ ⅓	≥ 1/2	≥ 5/16	≥ ¼	≥0
NO CEILING	74.7 81.6	74.9 82.0						74.9 82.1	74.9 82.1		74.9 82.1	74.9 82.1				
≥ 18000 ≥ 16000	82.1	82.4 83.5			52.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5		82.5	
≥ 14000 ≥ 12000	85.0 87.0	85.3 87.4	85.3	85.3	85.2 87.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85,4	85.4
≥ 10000 ≥ 9000	88.1	88.5 89.3	88.6	88.6	88.7 89.5	88.7	88.7	88.7 89.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 8000 ≥ 7000	89.8	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	89.5 90.5	89.5 90.5	90.5	90.5	90.5
≥ 6000 ≥ 5000	94.9	93.5	93.5 95.8	93.6	93.6 96.0	93.6	93.6	92.3	93.6	93.6	93.6	92.3	93.6	93.6	93.7	92.3
≥ 4500 ≥ 4000	95.7	96.7 97.5	96.8	96.9	97.0 97.9	97.0	97.0	97.0	97.0		97.0	97.0	97.0	97.0	97.0	96.1
≥ 3500 ≥ 3000	96.5 96.8	97.9	98.1 98.6	98.3	98.5	98.5	98.5	97.9	98.5	98.5	98.5	98.5		98.5	98.5	97.9
≥ 2500 ≥ 2000	97.0	98.7	98.9	99.0	99.3	99.3		99.3	99.3	98.3	99.5	99.0	99.3	99.0	99.0	99.0
≥ 1800 ≥ 1500	97.2	98.9	99.1	99.2	99.5 99.6	99.5	99.5	99.5	99.5	99.5	39.6	99.5	99.6	99.5	99.6	99.6
≥ 1200 ≥ 1000	97.2	98.9	99.1	99.3	99.6	99.6	99.7	39.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 900 ≥ 800	97.2	98.9	99.1	99.3	99.6	99.7		99.8	99.8	99.8		99.9		99.9	99.9	99.9
2 700 ≥ 600 ≥ 600	97.2	98.9 98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8 99.8	99.8		99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	97.2	98.9	99.1	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.9		99.9	99.91	00.01	00.0
≥ 300 ≥ 200	97.2	98.9	99.1	99.3	99.7	99.8	99.9	99.9	99.9	99.8	00.01	00.01	99.9	99.91	00.01	00.0
≥ 100 ≥ 0	97.2	98.9	99.1	99.3		99.8	2207	99.9	99.9	99.91	00.01	00.01 00.01	00.01	00.01	00.01	00.0
	71.4	70.7	99.1	99.3	99.7	99.8	79.9	99.9	99.9	99.91	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS\_

2097

USAF ETAC 101.64 9-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANULER

43-60,64-65,73

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

ÇEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1%	≥1½	≥ì	≥ 34	≥%	≥%	≥5/16	≥ ¼	≥0
NO CEILING ≥ 20000	76.7 82.6	77.0 82.8	77.0 82.8					77.2 83.0					83.0	83.0	17.2 83.0	83.0
≥ 18000 ≥ 16000	83.4 84.5	83.6	84.7	84.7		83.6 84.7	83.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	83.8 84.9	84.9
≥ 14000 ≥ 12000	86.7 89.1	87.0 89.3	89.3	89.3	89.3	87.0 89.3		89.5	89.5	89.5	89.5		89.5	89.5		89.5
≥ 10000 ≥ 9000	90.4 90.8	90.7 91.1	90.7 91.1	90.7 91.1	90.7 91.1	90.7 91.1	90.8 91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 8000 ≥ 7000	92 • 2 94 • 1	92.4	92.4 94.3	94.3		92.4 94.3		94.5	94.5	94.5	94.5		94.5	94.5		94.5
≥ 6000 ≥ 5000	95.5 97.2	95.7 97.4			95.7 97.4	95.7 97.4		97.6	97.6	97.6	97.6	97.6	97.6	97.6	95.9 97.6	97.6
≥ 4500 ≥ 4000	97.5 98.1	97.7 98.4	97.7 98.4		97.7 98.4	97.7 98.4	98.0 98.7	98.7		98.7	98.7		98.7	98.7	98.0 98.7	98.7
≥ 3500 ≥ 3000	98.4 98.7	98.7 99.1	98.7 99.1	98.8 99.2	99.2	99.2	99,4	99.4		99.4	99.4	99.4		99.4		99.4
≥ 2500 ≥ 2000	99•1 99•1	99.6		99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9		99.5		99.9
≥ 1800 ≥ 1500	99.1	99.0	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0
≥ 1200 ≥ 1000	99.1 99.1	99.7	99.7 99.7		99.8	99.8	100.0	100.0	100.0	100.0	100.G	100.0	100.0	100.0 100.0	100.0	100.0
≥ 900 ≥ 800	99.1 99.1		99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 700 ≥ 600	99.1 99.1	99.7	99.7 99.7	99.8	99. A	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.1 99.1	99.7 99.7	99.7		99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.1	99.7		99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.1 99.1	99.7 99.7		99.8												100.0

TOTAL NUMBER OF OBSERVATIONS 1650

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
·FEET:	≥10	≥6	≥5	≥4	≥3	≥2½	≥ 2	≥1%	≥1¼	≥1	3 14	≥%	≥%	≥ 5/16	≥14	≥0
NO CEILING ≥ 20000	77.9 83.2	77.9 83.2		77.9 83.2	77.9 83.2			77.9 83.4	77.9 83.4	78.0 83.5		78.0 83.5	78.0 83.5	78.0 83.5	78.0 83.5	78.0 83.5
≥ 180C0 ≥ 15000	83.9 85.0	83.9 85.0			83.9 85.0			84.0 85.1	84.0 85.1	84.1 85.2	84.1 85.2	84.1 85.2	84.1 85.2	84.1	84.1 85.2	84.2
≥ 14000 ≥ 12000	86.6 88.9	86.6 88.9			86.6 88.9	1		- 1	86.7 89.0	86.8	86.8	86.8 89.1	86.8	86.8 87.1	86.8	86.8 89.2
≥ 10000 ≥ 9000	90.2 90.8			90.8	90.2 90.8	90.8		90.9	90.3 90.9	90.4 91.0	90.4 91.0	90.4 91.0	90.4 91.0	90.4	90.4 91.0	90.4 91.1
≥ 8000 ≥ 7000	91.8 93.2	93.2		93.2	91.8 93.2	93.2	91.9		91.9 93.3	92.0 93.4	92.0 93.4	92.0 93.4	92.0 93.4	92.0 93.4	92.0 93.4	92.1 93.5
≥ 6000 ≥ 5000	94.4 96.7		96.7	96.7	94.4 96.7	94.4 96.7	94.5 96.8	94.5 96.8	94.5 96.8	94.6 96.9			94.6 96.9	94.6 97.0	94.6	94.7
_ 4500 ≥ 4000	97.4 98.1	97.4 98.1	98.1	98.2	97.5 98.2	98.2	98.3		97.6 98.3	97.7 98.4	97.7 98.4	98.4	97.7 98.4	97.7 98.4	97.7 98.4	97.8 98.5
≥ 3500 ≥ 3000	98.4 98.6	98.5 99.0	99.0	99.1	98.6 99.1	99.1		99.2	98.8 99.2	98.9	98.9 99.3	98.9 99.3	98.9 99.3		98.9 99.3	99.0 99.4
≥ 2500 ≥ 2000	99.0 99.0		99.4	99.5	99.5	99.5		99.6 99.6	99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.8	99.7 99.8	99.8 99.8
≥ 1800 ≥ 1500	99.0 99.1	99.3	99.5	99.6	99.5	99.6	99.7	99.6 99.7	99.7	99.8	99.8		99.7 99.8	99.8	99.8	99.8 99.9
≥ 1200 ≥ 1000	99.1 99.1	99.4	99.5	99.6	99.6	99.6	99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8	99.8	99.9	99.9	99.9
≥ 900 ≥ 800	99.1	99.4		99.6	99.6 99.6	99.6	99.7	99.7 99.7	99.7	99.8 99.8		99.8	99.8 99.8	99.9 99.9	99.9	
≥ 700 ≥ 600	99.2	99.5	99.6	99.7	99.7	99.7	99.8				99.9		99.9	99.9		100.0
≥ 500 ≥ 400	99.2	99.5		99.7	99.7	99.7	99.8	99.8			99.9	99.9	99.9	99.9	99.9	100.0
≥ 300 ≥ 200	99.2 99.2	99.5 99.5	99.6 99.6	99.7	99 7 99•7		99.8	99.8		99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100 ≥ 0	99.2	99.5	99.6		99.7 99.7			99.8 99.8		99.9	99.9		99.9		99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1922

USAF ETAC 101.01 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

43-74

FEB.

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 H2004

CEILING		_					VIS	BILITY (STA	TUTE MILE	S)	-					
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1 %	≥1, <sup>7</sup>	≥ı	≥ ¼	≥%	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	73.0 80.7	73.3 80.9	73.3 80.9		81.1	73.4 81.1	73.5	•	73.5 81.1	81.1	81.1	73.5 81.1	73.5 81.1	73.5 81.1	73.5	73.5 81.1
≥ 18000 ≥ 16000	81.6 82.4	82.7	82.7	81.9 82.7	82.8	82.0 82.8	82.0 82.9			82.9	82.9	82.0 82.9	82.9		82.9	82.9
≥ 14000 ≥ 12000	84:2 86.8		87.2	84.6	87.4		84.7	87.4	84.7			84.7 87.4	87.4		84.7	87.4
≥ 10000 ≥ 9000	88.6	89.8	89.8	89.1 89.9	90.0	89.2 90.0	90.1	90.1	89.3 90.1	90.1	90.1	69.3 90.1	89.3 90.1	89.3 90.1	99.3	90.1
≥ 8000 ≥ 7000	90.8			91.4	92.7	91.5	91.5	92.7	91.5	92.8	92.8				92.8	92.8
≥ 6000 ≥ 5000	93.8 96.0	96.6	96.6	94.5	94.6	94.6 96.8	94.6	96.9	94.6	94.6	96.9	94.6	94.6	94.6	94.6	96.9
≥ 4500 ≥ 4000	96.5 97.3	97.9		97.3 98.0	98.1	97.3 98.1	97.4 98.2	97.4 98.2	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3500 ≥ 3000	97.8	99.0	99.0	98.6 99.2	99.3	98.7 99.3	98.8 99.3	98.8 99.3	98 • 8 99 • 3	99.4	99.4	98.9	98.9	98.9		99.4
≥ 2500 ≥ 2000	98.5 98.5	99.3	99.3	99.4	99.5	99.5 99.5	99.5	99.5 99.5	99.5	99.7	99.7	99.6	99.7	99.6	99.7	99.7
≥ 1800 ≥ 1500	98.5 98.7	99.5		99.4 99.6	99.7	99.5 99.7 99.7	99.5 99.8	99.5 99.8	99.5 99.8		99.7 99.9	99.7	99.9	99.7	99.9 99.9	99.9
≥ 1200 ≥ 1000 ≥ 900	98.7 98.7	99.5	99.5	99.6	99.7	99.7	99.8	99.3	99.8	99.9	99.9	99.9	99.9	99.9		99.9
≥ 900 ≥ 800 ≥ 700	98.7	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9		99.9	99.9	99.9
≥ 600	98.7	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	- 1	99.9	99.9		99.9		99.9
≥ 400 ≥ 300	98.7 98.7	99.5		99.6	99.7	99.7 99.7	99.8		99.8	99.9	99.9			99.9	100.0	100.0
≥ 200	98.7	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8		99.9	99.9		99,0		100.0
≥ 0	98.7	99.5		99.6		99.7	99.8		99.8	99.9		99.9	90.9			100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

2409

USAF ETAC 1084 0-14-5 (OL A) PREVIOUS EDITIONS ON THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZONA/CHANDLER 43-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING			-				VIS	BILITY (ST.	TUTE MILE	ES)						
FEET	≥ 1C	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1½	≥1¼	≥1	≥ '₄	≥ 1/8	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	70.4 79.7	71.1 80.5	71.1 80.6	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 80.7	71.2 89.7	71.2 80.7	71.2 80.7
≥ 18000	80.6	82.7	82.8	81.6 82.8	82.8	81.6	81.6 82.8	81.6 82.8	81.6 52.8	82 4 8	82.8	81.6 82.9	82.8	81.6	81.6 82.8	82.8
≥ 14000 ≥ 12000	84.3 86.1	85.4 87.3	87,4	85.6 87.5	87.5	85.6	85.6 87.5	85.6 87.5	85.6 87.5	87.5	87.5	85.6	85.6 87.5	87.5	85.6 87.5	87.5
≥ 10000 ≥ 9000	87.7 88.6		90.0	89.0 90.1	89.0 90.1	89.0 90.1	90.1	89.0 90.1	89.0 90.1	90.1	90.1	89.0 90.1	89.0 90.1	89.0 90.1	90.1	90.1
≥ 8000 ≥ 7000	90.2	92.1	92.8			91.7	91.7	91.7	91.7	92.9		91.7		92.9	91.7	92.9
≥ 6000 ≥ 5000 ≥ 4500	92.8	96.1	96.3		96.4	94.3		94.3	96.4	96.4	96.4	94.3	96.4		94.3	95.4
≥ 4000 ≥ 4000 ≥ 3500	95.1 95.9 96.4		97.5	96.6 97.6 98.2	96.7 97.6 98.3	96.7 97.6 98.3	96.7 97.6 98.3	96.7 97.6 98.3	96.7 97.6 98.3	97.6		96.7 97.6 98.3	96.7 97.6 98.3	96.7 97.6 98.3	96.7 97.6 98.3	97.6
≥ 3000	97.0 97.1		98.9		99.0	99.0			99.0			99.0 99.1			99.0 79.1	99.0
≥ 2000	97.5	99.1			99.6	99.6	1	99.6	99.6	99.6	99.6	99.6		99.7 99.7	99.7	
≥ 1500	97.6	99 <u>.2</u>	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8		99.8		99.8 99.8	99.8	99.B
≥ 1000	97•7 97•7	99.3		99.7	99.8	99.8 99.8		99.8	99.8	99.8	99.8	99.8 99.9			99.9	99.9
≥ 800	97.7	99.3			99.8	99.8	99.8	99.8 99.8	99.8			99.9	99.9	99.9		
≥ 500	97.7 97.7	99.3			99.8	99.8		99.8	99.8			99.9		99.9 100.0	99.9	
≥ 400	97.7 97.7	99.3 99.3			99.8 99.8	99.8 99.8	99.8	99.8 99.8		99.8	39.8	99.9	99.9	100.0	100.0	100.0
≥ 200	97.7		99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0	100.7
≥ 0	97.7	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2563

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				_			VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET:	≥10	5 ,	≥5	≥ 4	≥3	≥2½	≥2	≥1 ′2	≥1%	≥1	≥ 34	≥36	≥ 1/2	≥ 5.16	≥ 1/4	≥0
NO CEILING ≥ 20000	68.4 78.4	68.9 79.0		· · · · ·	69.1 79.3	69.1 79.3	79.3	69.1 79.3	69.1 79.3		69.2 79.4	69.2 79.4		69.2 79.4		
≥ 18000 ≥ 16000	79.1 80.0	79.7 80.7		80.9		81.0	11.0		81.0	81.1	80.1 81.1	80.1 81.1	80.1	80.1 81.1	80.1 81.1	80.1
≥ 14000 ≥ 12000	82.1 83.7	82.9 84.6	84.7	34.8		84.9	14.9			84.9	83.3 85.0		85.0			35.0
≥ 10000 ≥ 9000	85.4	86.3	87.2			87.3	87.3		87.3	87.4			87.4			
≥ 8000 ≥ 7000	87.2 88.4 90.2	88.J 89.3	89.5			89.7	89.7		89.7	89.7			89.8		89.8	89.8
≥ 6000 ≥ 5000 ≥ 4500	92.8	91.1 93.9 94.5		91.5 94.3 94.9	94.5		94.5			94.5	91.7 94.5		94.5	94.5		91.7 94.5 95.1
≥ 4000 ≥ 3000	94.6	95.8		96.4	95 • 1 96 • 5 97 • 2	96.5	96.5	96.5	96.5				96.6			96.6
≥ 3000 ≥ 2500	96.1	97.4			98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.0	98.3		98.3	
≥ 2000 ≥ 1800	96.9	98.4	99.0	99.3	99.5	99.5	99.6	99.6	99.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	96.9	98.5 98.6		99.4		99.7	99.7	99.7	99.7	99.7	99.8	99.A	99.8	99.8	99.8	99.8
≥ 1000 ≥ 900	97.0 97.0	98.6											100.0			
≥ 800 ≥ 700	97.0 97.0	98.6 98.6			99.8	99.8	99.8		99.8	99.9			100.0			100.0
≥ 600 ≥ 500	97.0 97.0	98.6	79.2	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9 100.0	100.0	100.0	100.0	100.0	100.0
≥ 400 ≥ 300 ≥ 200	97.0		99.2	99.5	99.8	99.8	99.8	99.8	79.8	99.9		100.C	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.0 97.0 97.0	98.6		99.5	99.8	99.8	99.8 99.8 99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS ....

2577

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

# CEILING VERSUS VISIBILITY

2

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥4	≥3	≥2יז	≥2	≥۱۲۶	≥1!4	≥ı	≥4	≥ 3/8	≥ 1/5	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	65.7 77.7	66.9 78.1	66.1 78.2		66.1 78.2	78.2	78.3			66.2 78.4	66.2 78.4		66.2 78.4		66.2 78.4	
≥ 18000 ≥ 16000	78.4 79.7	78.5 80.1	78.9 80.3	78.9 80.3	78.9 80.3		80.3			79.1 80.4	79.1 80.4	79.1 80.4	79.1 80.4	79.1 80.4	79.1 80.4	
≥ 14000 ≥ 12000	82.3 84.6			85.2	85.2	85.2	85.3				85.4	85.4				83.1
≥ 10000 ≥ 9000	86.3 86.9	87.4	87.6		87.7	87.7	87.7	87.8		87.1 87.8	87.8		87.1 87.8		87.1 87.8	87.8
≥ 8000 ≥ 7000	88.1 89.2				90.1	90.1	90.2			89.2 90.3	90.3	90.3		90.3	90.3	90.3
≥ 6000 ≥ 5000	91.7		95.3	95.3	95.4	95.4	95.4	95.5	95.5		95.6	95.6	95.6		95.6	95.6
≥ 4500 ≥ 4000 ≥ 3500	95.0 95.8 96.2	96.6	96.9	96.9		97.0	96.3 97.1 97.6	97.2	97.2	96.4 97.2 97.7	97.3	97.3	96.4 97.3	97.3	97.3	97.3
≥ 3000		97.7	98.0	98.0	98.2	98.2		28.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	99.4
≥ 2000		98.7	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.6	39.6	99.5	99.6	99.6	99.6	99.6
≥ 1500		98.8	99.4	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.7 97.7	98.9	99.5	99.6	99.7	99.7									100.0	100.0
≥ 800 ≥ 700	97.7		99.5				99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0		100.0
≥ 600	97.7 97.7		99.5		99.7			99.9	99.9	99.9	100.0	100.0	100.0	100.0		100.0
≥ 400	97.7		99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.7 97.7	98.9	99.5	99.6	99.7	99.7		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
_ ≥ 0	97.7	98.9	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ..... 2497

USAF ETAC 101.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (STA	ATUTE MILI	ES)				.,		
(T332)	≥10	≥6	≥ 5	≥4	≥3	≥2¹2	≥2	≥1½	≥1%	≥1	≥ 1/4	≥ ¾	≥ %	≥ 5/16	≥ \	≥0
NO CEILING ≥ 20000	71.0 80.1	71.3 80.4	71.3 80.4	71.3 80.4	71.4 80.5	71.4 80.5	80.5		71.4 80.5	71.4 80.5		1	71.4 80.5	71.4 80.5	71.4 80.5	71.4 30.5
≥ 18000 ≥ 15000	80.9	81.1	81.2		81.2	81.2 83.0	83.1	83.1	81.3	81.3 83.1	81.3	83.1	81.3	81.3 83.1	81.3	81.3
≥ 14000 ≥ 12000	85.5 87.5	85.8	85.8			85.9 87.9	87.9		87.9	85.9 87.9		85.9 87.9		85.9 87.9	85.9 87.9	85.9
≥ 10000 ≥ 9000 ≥ 8000	69.5 90.1	89.9 90.4 91.9	89.9 90.5 92.0		90.6 90.5 92.0	90.0	90.6		90.6	90.6		90.6	90.6	90.0	90.0	90.0 90.6 92.0
≥ 7000	92.4	92.9	93.0 94.5		93.0		93.1	92.0 93.1 94.6	92.0 93.1 94.6	93.1	92.0 93.1 94.6	93.1	92.0 93.1 94.6	92.0 93.1 94.6	92.0 93.1 94.6	93.1
≥ 500G ≥ 4500	96.7	97.2	97.3 97.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4		97.4	97.4	,
≥ 4000	98.0	- 1		98.7	98.7	98.7		98.7		98.7	98.7 99.2	98.7	98.7	91.7	98.7 99.2	98.7
≥ 3000	98.5 98.8	99.2 99.5	99.6	99.7	99.4 99.7	99.7	99.8	99.8	99.8	99.8	99.5	99.5 99.8	99.8	99.8	99.8	99.8
≥ 2000 ≥ 1800 ≥ 1500	98.9	99.6	99.7	99.8	09.13	99.8	99.9	99.9	99.9	39.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	98.9 94.9 98.9	99.0	99.8	99.9	99.9 99.9	99.9	100.0	100.3	130.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ y00 ≥ 800	98.9 98.9	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	96.9 98.9	99.6	99.8	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.9 90.9		99.8	99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0
≥ 300 ≥ 200	98.9 98.9		99.8	99.9		99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.9			-	- 1					100.0 100.0	,		,			. 1

USAF ETAC JUL64 0-14-5 (OL A) SERVICUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104

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HILLIAMS AFB ART "NA/CHANULER 43-60.62-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
FEET	≥16	≳6	≥5	≥ 4	≥3	≳2⅓	≥2	≥1½	≥1!4	≥1	≥ ₺	≥ ∜1	≥1⁄2	≥5/16	≥¼	≥0
NO CEILING ≥ 2000	75.2 83.0	76.2 83.0	76.2 83.0	76.2 83.0	76.2 83.0	76.2 83.0	76.2 83.0	76.2	76.2 33.0	76.2 83.0	76.2 83.0	76.2 83.0		76.2 83.0	76.2 83.0	76.2
≥ 18000 ≥ 16000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8		83.8	83.8
≥ 14000 ≥ 12000	87.3 89.8	87.3 89.8	87.3 59.8	87.3	87.3	87.3	87.3	87.3 89.8	87.3	87.3		87.3	87.3	87.3 89.8		87.3 89.8
≥ 10000 ≥ 9000	91.7 92.6	91.6 92.8	91.9	91.9	91.9 92.4			91.9 92.8	91.9 92.8	91.9	91.9	91.9			91.9 92.8	91.9 92.8
≥ 8000 ≥ 7000	94.1 94.8	94.2	94.2 95.0	94.2	94.2 95.1	94.2		94.2	94.2		94.2	94.2 95.1			94.2	94.2
≥ 6CU0 ≥ 5000	96.7 97.8	96.8 97.9	96.9 98.0		96.9 98.0		96.9 98.0	96.9 98.0				98.0	98.0			
≥ 4500 ≥ 4000	98 • 1 98 • 6	98.2 98.7	98.3 98.7		98.4 98.8		1 • • • • • • • • • • • • • • • • • • •		98.8					98.8	98.4 98.8	
≥ 3500 ≥ 3000	99.0 99.1	99.1 99.2	99.2 99.3	99.2 99.3	99.2	99.2 99.5		99.2 99.5	99.5		99.2 99.5	99.5		99.2 99.5	99.2 99.5	99.2
≥ 2500 ≥ 2000	99.4 99.5	99.6 99.7	99.7 99.8			•				99.9		99.9	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	99•5 99•5	99.7	99.8 99.8		99.9		1	99.9 99.9				99.9 99.9			79.9	99.9 99.9
≥ 1200 ≥ 1000	99.5 99.5	99.7 99.7	99.8			• .	99.9 100.0	99.9 100.0		99.9 100.0						99.9 100.0
≥ 900 ≥ 800	99.5 99.5	99.7 99.7	99.9	99.9	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.5 99.5	99.7 99.7		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5 99.5	99.7 99.7		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.5		99.9	99.9	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.5 99.5	• .					100.0									100.0

TOTAL NUMBER OF OBSERVATIONS 1821

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

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23134 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-60,64-65,73-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING	ı						VIS	BILITY (STA	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥?%	≥ 2	≥1%	≥1¼	≥1	≥ ₹4	≥ ⅓	≥ '4	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	77.4 84.5	77.5 84.6	77.5 84.6	77.5 84.7	77.6 84.7	77.5	77.6	77.6	77.6 84.7	77.6 84.7	77.6	77,6	77.6	77.6 84.7	77.6 84.7	77.6
≥ 1805J ≥ 16000	35.0 86.2	85.1 86.3	85.1	85.1 86.3	85.2 86.4	85.2	85.2	85.2 86.4	85.2 86.4	85.2 86.4	85.2	85.2 86.4	85.2	85.2 86.4	85.2 86.4	85.2
≥ 14000 ≥ 12000	88.7	88.8 90.1	88.8 90.1	88.9	89.1	89.1 90.3	89.1	89.1 90.3	89.1	87.1			89.1	89.1	89.1 90.3	
≥ 10000 ≥ 9000	91.4 91.9	91.5 92.1	91.5 92.1			91.8	~ .	91.8 92.3	91.8			91.8			91.8	
≥ 8000 ≥ 7000	94.4	93.4	93.4		93.7	93.7		93.7	93.7			93.7			93.7	
≥ 6000 ≥ 5000	95.6 97.0	1	96.U 97.4		_ 1	95.2 97.6	96.2	1 2	96.2			96.2 97.6	96.2	96.2	96.2 97.6	
≥ 4500 ≥ 4000	97.4 97.9	97.7 98.4	97.7 98.4			98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7		98.1 98.7	98.1 98.7	-	98.1 98.7	98.1 98.7	98.1 98.7
≥ 3500 ≥ 3000	98.2 98.5	98.8 99.2	98.8 99.2			99.1 99.6	99.1	99.1 99.6	99.1 99.6	99.1 99.6		99.1 99.6	99.1 99.6	99.1 99.6	99.1 99.6	
≥ 2500 ≥ 2000	98.7 98.8	99.5 99.6	99.5 99.6		1	99.8		99.8 99.9	99.8			99.8	_			
≥ 1800 ≥ 1500	98.8 98.8		99.7		1			100.0 100.0								l. I
≥ 1200 ≥ 1000	98.8 98.8		99.7 99.7					100.0 100.0								1_ 1
≥ 900 ≥ 800	98.8 98.8	99.7	99.7 99.7	99.7	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.8 98.8		99.7 99.7	99.7	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
> 500 ≥ 400	98.8 98.8	99.7		99.7	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.8	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.8					-		100.0 100.0								

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 9-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

2 C

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74

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### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING						· · · · · · · · · · · · · · · · · · ·	VIS	BILIT/ (STA	TUTE MIL	ES <sub>1</sub>						]
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1½	≥1¼.	≳۱	≥ 1⁄4	≥ ⅓	≥ 1/2	≥ 5 ′16	≥ 1/4	≥0
NO CEILING ≥ 20000	78.9 84.3	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.1 84.5	79.2 84.6	79.2 84.6
≥ 18000 ≥ 16000	85.0 86.4	85.2 86.6	85.2 86.6	86.6	85.2 86.7	85.2 86.7	86.7	85.2 86.7	85.2 86.7	85.2 86.7	85 • 2 86 • 7	85.2 86.7	85.2 86.7	85.2 86.7	85.3 86.7	86.7
≥ 14000 ≥ 12000	88.4 90.4	88.6 90.6	88.6 90.7	90.7	28.7 90.7	88.7 90.7	90.7	88.7 90.7	88.7 20.7		88.7 90.7	88.7 90.7	88.7 90.7	88.7 90.7	88.7 99.7	88.7 90.7
≥ 10000	91.5 92.0		91.7 92.2	91.7	91.8	92.2	92.2	91.8 92.2	91.8 92.2	92.2	91.8	91.8	92,2	91.8	91.8 92.3	92.3
≥ 8000 ≥ 7000	93.3	94.6	93.6	93.6	93.6	93.6	94.7	93.6	93.6	93.6	93.6	93.6	94.8		93.7	
≥ 6000 ≥ 5000 ≥ 4590	95.6 96.8	95.7 97.1	95.8 97.1	95.8 97.2	95.8	95.8 97.2	97.2	95.8 97.2	95.8	97.2		95,8	97.3	95.9	95.9	95.9 97.3
≥ 4590 ≥ 4000 ≥ 3500	97.2 97.8 98.2	97.5 98.2 98.8	97.5 98.3 98.8	97.5 98.3 98.8	97.6 98.4 98.9	97.6 98.4 98.9	93.4	98.4	97.6 98.4 98.9	98.4		97.6 98.4 98.9	98.4	97.6 98.4 98.9	97.7 98.5 99.0	98.5
≥ 3000	98.5 98.7	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5		99.5	99.5	99.5	99.5	99.6	99.6
≥ 2000	98.7	99.5	99.6		99.8	99.8	99.8	99.8	99.8		99.8	99.8	99.8			99.9
≥ 1500	98.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	100.0	100.0
≥ 1000	98.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0
≥ 800	98.8		99.7	99.8	99.9	99.9	99.9	99.9	99.9			99.9	100.0	100.0	100.0	100.0
≥ 600	98.8 98.8	99.6	99.7	99.8		99.9	99.9	99.9	99.9	99.9	99.5	99.9	100.0	100.0	100.0	100.0
≥ 400	98.8 98.8	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9			100.0		
≥ 200	98.8		99.7	99.8	99.9	99.9		99.9	99.9		99.9			100.0		
≥ 0	98.8	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2162

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
· FEET,	≥10	≥6	≥5	≥ 4	≥3	≥21⁄2	≥2	≥1%	≥1¼	<b>≩</b> 1	≥ 1/4	≥%	≥ 1/2	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	73.0 80.5	73.3 80.8		73.6 81.1	73.6 81.1	73.6 81.1			73.6 81.1	73.6 81.1	73.6 81.1	73,6	73.0	73.6 81.1	73.5 81.1	7 .6
≥ 18000 ≥ 15000	81.2 82.7	81.5	81.7 83.3	81.9 83.4	81.9 83.4	81,9 83.4	81.9 83.4		81.9 83.4		81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	~ ~
≥ 14000 ≥ 12000	85.1 88.2	85.4 88.5	85.7 88.8	85.8 89.0				85.8 89.0	85.8 89.0			85.8 89.0			85.8 89.0	
≥ 10000 ≥ 9000	89.3 89.9	89.6 90.3	89.9 90.6		90 • 1 90 • 7	90.1 90.7	90 • 1 90 • 7	90.1 90.7	90 • 1 90 • 7		90.1 90.7	90.1 90.7	90.7	90.1 90.7	90.1 90.7	90.1 90.8
≥ 8000 ≥ 7000	91.1 92.3	91.5 92.7	91.8 93.0	93.2	91.9 93.2	91.9 93.2	91.9 93.2	91.9 93.2	91.9 93.2		91.9 93.2	91.9	91.9 93.2	91.9 93.2	91.9 93.2	92.0 93.2
≥ 6000 ≥ 5000	93.6 95.5	94.0		96.5		94.5	96.5	94.5 96.5	94.5	96.5	94.5	94.5 96.5	94.5	94.5 96.5	94.5 96.5	94.5
± 4500 ≥ 4000	96.1 97.1	96.5 97.7	96.9 98.0	98.2	98.2	97.0 98.2	98.2	98.2	98.2	98.2	98.2	97.0 98.2	97.0 98.2	98.2	97.0 98.2	98.3
≥ 3500 ≥ 3000	97.7 98.0	98.5	98.8	99.2	99.3	99.0	99.3	99.0	99.0 99.3	99.3	99.3	99.0	99.0	99.3	99.3	99.3
≥ 2500 ≥ 2000	98.3		99.4 99.6	99.7	99.7	99.7	99.8		99.7			99.7 99.8	99.7		99.8	
≥ 800 ≥ 1500	98.4	99.2	99.6 99.6	99.8		99.7	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	98.5	99.4	99.6 99.7	99.9	99.9	99,9	99.9		100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0
≥ 900	98.5 98.5	99.4	99.7	99.9 99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.5 98.5	99.4		99.9	99.9		99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.5	99.4	99.7	99.9 99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200 > 100	98.5	99.4	99.7		99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.5	99.4		99.9		-					100.0					

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 2715

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEFT)	≥10	≥6	≥5	≥4	≥3	≥2⅓2	≥2	≥1½	≥14	≥1	≥¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	70.1 80.3	70.8 81.1	70.9 81.1	70.9 31.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2			70.9 81.3		70.9 81.3		1
≥ 18000 ≥ 16000	81.1	81.9 82.9	1	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1	82.1 83.1	82.1 83.1	82.1 83.1	82.1 83.1	82.1	82.1 83.1
≥ 14000 ≥ 12000	34.2 86.9	84.9 37.0	1		85.2 87.9	85.2 87.9	85.2	85.2 87.9	85.2 87.9	85.2 87.9		85.2 33.0	85.2 88.0			
≥ 10000 ≥ 9000	88.7		89.7 90.4	89.8 90.5	89.8 90.5	89.8 90.5	89.8 90.5	89.8 90.5	89.8 90.5	89.8 90.5	90.5	89.8 90.5		89.8 90.5	89.8 90.5	89.8 90.5
≥ 8000 ≥ 7000	90.6	92.3	91.6 92.5	92.6	91.8 92.7	91.8	91.8 92.7	91.8 92.7	91.8 92.7	92.7	92.7	91.8 92.7	91.8 92.7	92.7	91.8 92.7	92.7
≥ 6000 ≥ 5000	92.6	95.0	93.8 95.2	93.9	93.7	93.9 95.4	93.9 95.4	93.9 95.4	95.4	93.9 95.4	95.4	94.0 95.4	95.4		94.0	95.4
≥ 4500 ≥ 4000	94.4		95.7 96.9		97.1	95.8 97.1	95.8 97.1	95.0 97.1	95.8 97.1	95.8 97.1	97.2	97.7	97.2	95.9 97.2	95.9	97.2
≥ 3500 ≥ 3000	96.5 97.2		97.9 98.7	98.1 98.8		98.2 99.0			98•2 99•0			98.3			98.3 99.0	99.1
≥ 2500 ≥ 2000	97.3 97.5		98.8		99.1 99.3	99.1 99.3	99.1 99.3	99.1 99.3	99•1 99•3			99.1 99.3	99.3	99.1 99.3		
≥ 1800 ≥ 1500	97.5 97.6	98.9	99.0	99.1 99.2	99.4	99.3 99.4	99.3 99.5	99.3 99.5	99.3 99.5	99.5	99.5	99.4	99.5			99.5
≥ 1200 ≥ 1000	97.7 97.8	99.2	99.4	99.7	99.8	99.6 99.8	99.7 99.9	99.7 99.9	99.7 99.9		99.9	99.7		99.7 99.9		99.9
≥ 900 ≥ 800	97.8	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0		100.0	100.0	100.0	100.0
≥ 700 ≥ 600	97.8	99.2	99.5			99.9	99.9	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	97.8	99.2	99.5	99.7		99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	97.8 97.8	99.2		99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8 97.8		99.5 99.5			99.9	99.9	99.9	99 <b>.9</b>		100.0 100.0					

TOTAL NUMBER OF OBSERVATIONS 2913

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FO

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (STA	ATUTE MILL	ES)						
(FEET)	≥10	26	≥5	≥ 4	≥3	≥2′2	≥ 2	≥1%	≥1%	≥ı	≥ ¾	≥ ¾	≥%	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	68.3 79.6	68.8 80.2	68.8 80.2	80.2		80.2	80.3	80.3	80.3	80.3					80.4	- 1
≥ 18000 ≥ 16000	80.3 81.6	80.8 82.2		82.2	82.2	82.2	R2.3	90.9 82.3	82.3	37.3	82.3	82.4				81.1 82.4
≥ 14000 ≥ 12000	83.2 84.5		83.8	85.1		85.2	85.2		83.9 85.2	84.0 85.3			84.0 85.4	84.0 85.4	85.4	85.4
≥ 10000	85.9 86.3	86.9	86.6 87.0	87.0		87.1	87.1	86.7 87.1	86.7	86.8	87.2	86.8 87.2	86.8	87.3	87.3	86.8
≥ 8000 ≥ 7000	87.3 88.7	87.9 89.3	88.0 89.4		88.0 89.5	89.5	39.5	88.1 89.5	88.1 89.5			89.7	88.3 89.8		89.8	89,8
≥ 6900 ≥ 5000	90.6 93.3		91.6	94,5			94.6			94.7	94.7	94.8		94.8	94.8	94.8
≥ 4500 ≥ 4000	94.0	96.2	95.1 96.4		95.2	96.5	46.6	96.6		96.8	96.8	96.B		96.8	96.8	96.8
≥ 3500 ≥ 3000	96.4 96.8	97.4	97.6 98.0	98.0	38.2	98.2	98.2	98.2	98.2	98.4	98.4	98.4		98.4	98.4	98.4
≥ 2500 ≥ 2000	97.2 97.5	98.6		98.8	99.1	99.1	99.1	99.1	99.1		99.3	99.3	99.4	99.4	98.8	99.4
≥ 1800 ≥ 1500	97.6 97.6		99.0	99.1	99.4	99.4	99.5		99.5	99.6	99.6	99.7	99.7	99.7	99.7	
≥ 1200 ≥ 1000 ≥ 700	97.8 97.8	99.0	99.2	99.4	99.6	99.6	99.7	99.6 99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 800 ≥ 700	97.8 97.8	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9	99.0	99.9	99.9
≥ 600	97.8	99.0	99.2	99.4		99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	97.8 97.8	99.0	99.2	99.4	99.7	99.7	99.8		99.8		99.9	95.9	100.0	100.0	100.0	100.0
≥ 200	97.8		99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0		99.0		99.4											100.0	

TOTAL NUMBER OF OBSERVATIONS 2927

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS COITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VISI	BILITY (STA	ATUTE MILE	ES)						
(FEEf)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥ 1/2	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	66.0 79.6	66.2	66.2 79.9	66.3 80.1	66.4 80.1	66.4 89.1	66.4 80.3	66.4 80.3	66.4 80.3	66.5 80.4	60.5 80.4	66.5 80.4		66.6 80.4	66.6 80.5	
≥ 18000 ≥ 16000	80.5	80.9 82.4	80.9 82.4	81.0 82.6	81.1 82.6	81.1	81.2 82.8	81.3 82.8	81.3 82.8	81.3 82.9	1	81.3 82.9	81.4 82.9		81.4 83.0	81.4 83.0
≥ 14000 ≥ 12000	84.0 85.6	86.0		84.6 86.1	84.6 86.2	84.6 86.2	84.8 86.4	84.8 96.4	84 • 8 86 • 4	1	1	84.9		84.9 86.5	85.0 86.6	
≥ 10000 ≥ 9000	86.4 87.0	86.8 87.4	1		87.1 87.7	87.1 87.7	87.2 87.8	1		87.3 87.9	87.9	87.3 87.9			88.0	
≥ 8000 ≥ 7000	87.7 89.1	88.1 89.7	88.1 89.7	88.3 89.9		88.4 90.0	90.2	90.2	90.2	88.6 90.3	90.3	90.3	90.3			
≥ 6000 ≥ 5000	91.4				95.4	95.4	95.6	95.6	95.6	92.6 95.7	95.7	95.7	95.8	95.8	95.8	92.8
≥ 4500 ≥ 4000	95.1 96.2	96.9		97.2	97.3	97.3	97.5	97.5	97.5	97.7	97.7	96.5 97.7	96.6	97.7	97.8	97.8
≥ 3500 ≥ 3000	97.1 97.5		98.2	98.1 98.5		98.7		98.9	98.9	97.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 2500 ≥ 2000	97.5 97.7	98.6	98.8	98.6	99.2	99.2	99.4	99.4	99•1 99•4		99.6			99.6	99.7	99.7
≥ 1800 ≥ 1500	97.7 97.8	98.7	98.8 98.8		99.2	59.3	99.5				99.7	99.7	99.7	99.8	99.8	
≥ 1200 ≥ 1000	97.8	98.7		99.1 99.2		99.4	99.5	99.6		99.8	99.8	99.8		99.8	99.9	99.9
≥ 900 ≥ 800	97.8	98.7			99.4	99.4	99.6 99.6	99.6		99.8	99.8			99.9	99.9	99.9
≥ 700 ≥ 600	97.8	98.7			99,4	99.4	99.6	99.6	99.6	99.8	99.8		99.9	99.9	99.9	99.9
≥ 500 ≥ 400	97.8 97.8	98.7			99.4	99.4		99.6	99.6	99.8	99.8	99.8	99.9	99.9		100.0 100.0
≥ 300 ≥ 200	97.8	98.7	98.5	99.2	99.4	99.4		99.7	99.7		99.9	99.9	99,9	99.7	100.0	100.0
≥ 100 ≥ 0	97.8 97.8		1				99.6				-				100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2843

USAF ETAC FORM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-45,47-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1%	≥ı	≥ 1,4	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	71.5 81.8	71.6 82.0	71.7 82.1	71.8 82.1		71.8 62.2		71.9 82.3	71.9 82.3	71.9 82.3			71.9 82.3	71.9 82.3	71.9 82.2	71.9 82.3
≥ 18000 ≥ 16000	82.8 84.5	83.0		83.1 84.9	83.2 85.0	83.2	83.3 85.1	83.3 85.1	83.3	83.3 85.1		83.3	83.3 85.1	83.3 85.1	83,3 85.1	83.3 85.1
≥ 14000 ≥ 12000	87.1 88.3		88.8		87.6 88.9	87.6 88.9	87.7 89.0	87.7 89.0	87.7 89.0		89.0		87.8 89.1	89.1	87.8 89.1	
≥ 10000	89.6		90.7	90.1	90.2 90.8	90.2 90.8		90.9	90.3	90.9	90.9	90.9	90.3	91.0	90.3	91.0
≥ 8000 ≥ 7000	91.2 92.7	91.6 93.2	93.3	91.8 93.3		91.9 93.4	93.5	93.6	92.0 93.6	93.6			92.1		92.1 93.6	93.6
≥ 6000 ≥ 5000	94.4 96.4	94.9 96.9	97.0		95.1 97.1	95.1 97.1	95.2 97.2	95.3 97.3	95.3 97.3	95.3 97.3	97.3	95.3 97.3	97.3	97.3	95.3	97.3
≥ 4500 ≥ 4000	96.7 96.9	97.2	97.5	97.5	97.6	97.4 97.6	97.7	97.8	97.8		97.8	97.8	97.6 97.£	97.8	97.6 97.8	97.6 97.8
≥ 3500 ≥ 3000	97.5 98.0				99.2	98.4 99.2	99.3	99.3	98.5 99.3		99.3	99.3	98.6 99.4	99.4	98.6	99.4
≥ 250C ≥ 2000	98.2	99.0	99.2		99.5	99.4			99.5	99.6	99.6		99.6	99.6	99.6	99.6
≥ 1800 ≥ 1500	98.2 98.3		99.4	99.5	99.6	99.5 99.6		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	98.3	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9		100.0	100.7	100.0	100.0	100.0	100.0
≥ 900	98.3			99.7	99.8	99.8 99.8	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.3			99.7			99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.3		99.5	99.7		99.8 99.8	99.9	99.9	99.9	100.0	100.0	160.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.3 98.3		99.5 99.5	99.7	99.8		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	160.0
≥ 100 ≥ 0	98.3		-	99.7			99.9	99.9 99.9							100.0 100.0	

USAF ETAC PULSA C

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZENA/CHANDLER 42-45,47-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥21⁄2	≥2	≥1½	≥1¼	≩l	≥ ¼	≥%	≥ ⅓	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	79.2 86.0	79.3 86.0	1	86.1	79.4 86.1	86.2	86.2	86.2	79.5 86.2	86.2	79.5 86.2	79.5 86.2	79.5 86.2	79.5 86.2	86.2	79.5 86.2
≥ 18700 ≥ 16000	86.3 87.5	86.4 87.5		87.6		87.7	97.7	87.7	87.7	87.7	86.6 87.7	86.6 87.7	87.7	87.7	87.7	86.6
≥ 14000 ≥ 12000	89.6 91.0	89.8 91.2	91.2	91.2		91.4	91.4	91.4	91.4	91.4	90.0	90.0 91.4	91.4	90.0	91.4	90.0
≥ 10000	92.4	92.2 92.5			92.6	92.7	92.7	92.7	92.7	92.4 92.7	92.4	92.4	92.7	92.4	92.4	92.4
≥ 8000 ≥ 7000 ≥ 6000	93.7	93.9		95.4	94.0	95.5	95.5	95.5	95.5	95.5	94.0 95.5	25.5	95.5	94.0	95.5	95.5
≥ 5000 ≥ 5000	96.1 97.8 98.0	96.3 98.0 98.2		98.1	96.4 98.1 98.3	98.2	98.2	98.2		96.5 98.2 98.4	96.5 98.2 98.4	98.2	98.2	96.5 98.2 98.4		96.5 98.2 98.4
≥ 4000	98.4	98.7		98.7	98.7		98.8		98.8	98.8		98.8	98.8		98.8	
≥ 3000 ≥ 2500	98.6	99.1	99.3		99,3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 2000 ≥ 1800	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.1	99.7		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600 ≥ 900	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800 ≥ 700	99.1 99.1	99.7	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.1	100.0	100.0	100.0	100.0
≥ 600	99.1	99.7	99.9								100.0					
≥ 400	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0
≥ 200	99.1	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.1	99.7	99.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2151

USAF ETAC 101.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-60,64-65,73-74

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST.	ATUTE MILI	ES)						}
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ર₄	دا≤	≥ 5,16	≥¼	≥0
NU CEILING ≥ 20000	65.2 89.9	85.3 90.0	85.3 90.0				85.3	85.3 90.0		- 1		85.3 90.0	85.3 90.0		85.3 90.0	
≥ 18000 ≥ 16000	90.2 91.1	90.3 91.2				90.3		90.3 91.2	1				90.3 91.2			
≥ 14000 ≥ 12000	92.7	92.8						92.8 94.4	94.4	94.4		-			94.4	94.4
≥ 10000 ≥ 9000	95.2 95.7		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 8000 ≥ 7000	96.7 97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9			97.9		97.9	97.9	97.9
≥ 6000 ≥ 5000	98•3 99•0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500 ≥ 4000	99.0 99.2		99.6	99.6	99.6	99.6	99.6		99.6	99.6	99.0	99.4	99.5	99.6	99.6	99.6
≥ 3500 ≥ 3000	99.3	99.6 99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500 ≥ 2000	99•4 99•4	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9 99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	99•4 99•4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.0		99.9	99.9	99.9
≥ 1200	99.4		100.0	100.0	100.0	100.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 900 ≥ 800	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.4 99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 500 ≥ 400	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 300 ≥ 200	99.4 99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 100 ≥ 0	99.4 99.4															100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 1900

USAF ETAC 101 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

APR

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	IBILITY (ST	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1½	≥1¼	≥1	≥ 1,4	≥%	≥%	≥5/16	2.4	≥0
NO CEILING ≥ 20000	83.8		89.1	83.9 89.1	83.9 89.1	83.9 89.1	89.1	84.0 89.1	84.0 89.1	84.0 89.1	84.0 89.1	64.0 89.1	84.0 89.1	84.0 89.1	84.0 89.1	84.0 89.1
≥ 18000 ≥ 16000	89.2 90.5	89.3 90.6		89.3 90.6	89.4 90.7	89.4 90.7	89.4 90.7		89.4 90.7	89.4 90.7	89.4 90.7	89.4 90.7	89 • 4 90 • 7	89.4 90.7	90.7	90.7
≥ 14000 ≥ 12000	91.5 93.5	93.5	93.6			91.7 93.6		93.7	91.8 93.7	91.8 93.7	93.7	91.8 93.7		93.7	93.7	93.7
≥ 10000 ≥ 9000	94.6	95.0		94.7 95.1	94.8	94.8 95.1	95.1	95.2	94.9 95.2	95.2	94.9 95.2	94.9	95.2	95.2	95.2	95.2
≥ 8000 ≥ 7000	96.3	97.5	97.6		97.6	96.5 97.6			96.6	97.7	97.7	96.6 97.7			97.1	97.7
≥ 6000 ≥ 5000	98.2 99.2	99.5	99.5	99.5	99.6		99.6	99.7	98•7 99•7	99.7		98.7 99.7	99.7	98.7 99.7	98.7 99.7	98.7
≥ 4500 ≥ 4000	99.2	99.6	99.6		99.7	99.6		99.8					99.8			99.8
≥ 3500 ≥ 3000	99.4		99.7			99.7 99.7			99.8	99.8	99.8 99.8	99.9		99.8	99.8	99.8
≥ 2560 ≥ 2000	99.5	99.8	99.8	99.8		99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 1800 2 1500	99.5 99.5	99.0	99.8	99.8	99.9		99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.5		99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	10c.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.5	99.8	99.9	99.9	99.9	99.9	106.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 70° ≥ 600	99.5		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5	99.8	99.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.5	99.8	99.9	99.9	39.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.5	99.8 99.8						100.0 100.0								100.0

TOTAL NUMBER OF OBSERVATIONS

2184

USAF ETAC PRIOR 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESCRETE

# CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
(FEET,	≥10	≥8	≥5	≥ 4	≥3	≥2'7	≥2	≥11/2	≥1%	≥1	≥ 3,4	≥ ⅓	≥14	≥ 5/16	≥,⁴	≥0
NO CEILING ≥ 20000	79.4 87.0	80.0 87.6			80.1 87.8		80.1 87.8	80.2 87.8	80.2 87.8		80.2 87.9	80.2 87.9			80.2 87.9	
≥ 18000 ≥ 16000	87.8 88.9					38.5 89.6	88.5		- 1	88.7 89.8	89.8	89.8		88.7 89.8		88.7 89.8
≥ 14000 ≥ 12000	90.2 92.3	92.9	93,0	93.0	93.1	93.1		91.0 93.1	93.1	93.2	93,2	91.0 93.7	93.2	91.0 93.2	93.2	93.2
≥ 10000 ≥ 9600	93.6	94.6	94.7	94.3	94.7	94.3	94.7	94.8		94.8	94.8	94.8	94.4			
≥ 8000 ≥ 7000	94.9 95.8	90.4	96.5		96.6	96.6	96.6			96.7	96.7	95.7 96.7	96.7			95.7
≥ 6000 ≥ 5000	96.9	98.6	98.7	98.7	98.9		98.9	98.9	98.9	99.0		99.0	97.8	99.0	99.0	
≥ 4500 ≥ 4000	98.3 98.6		99.4	99.4	99.6	99.2 99.6	99.6			99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500 ≥ 3000	98.7 98.7		99.5		99.7	99.6	99.7			59.8	99.8	99.8	99.8		99.8	
≥ 2500 ≥ 2000	98.8 98.8	99.6	99.6		99.8		99.9		99.9		100.0	100.0	99.9	100.6	100.0	
≥ 1800 ≥ 1500	98.8 98.8	99.6	99.6		79.8		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.2	100.0	100.6
≥ 1200	98.8 98.8	99.6	99.7		99.9	99.9	79.5	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0
≥ 900 ≥ 800	98.8 98.0	99.6	99.7		- 1		99.9	100.0	100.0	100.0	160.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.8 98.8 98.8	57.6	99.7		99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 > 400 ≥ 300	78.8	99.0	99.7	99.7	99.9	99.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.8	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	103.0	100.0	100.0	100.0	100.0	100.0	102.0
≥ 00	98.8	- 1				99.9							100.0 100.0			

TOTAL NUMBER OF OBSERVATIONS

2714

USAF ETAC JOHN DIL 64 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE DESCRETE

# CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZUNA/CHANDLER 42-74

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VISI	BILITY (STA	ATUTE MIL	ES)						
·FEST	≥;0	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥114	≱ા	کئ	≥%	≥%	≥5′16	≥%	≥0
NO CEILING ≥ 20000	78.8 86.1	79.6 87.2		79.8 87.4			80.0 87.5				80.0 87.6			80.1 87.6	80.1 87.6	
≥ 18000 ≥ 16000	86.9 88.0	87.9 89.0			88.2 89.4		88.3 89.5	1				88.3 89.6	88.4 89.6	88.4 89.5	88.4 89.6	
≥ 14000 ≥ 12000	89.9 91.7	90.9 92.7				93.2	9 <u>1</u> .4 93.2					91.4	91.5 93.3			
≥ 10000 ≥ 9000	92.7 93.0	93.7 94.1	92.8 94.2		94.1 94.5	94.2 94.5	94.2		94.2	94.3 94.6		94.3			1	
≥ 8000 ≥ 7000		94.9 95.6		95.2 96.0	96.1		96.2	96.2	96.2	96.2	96.2	95.5 96.2			96.3	96.3
≥ 6000 ≥ 5000		96.5 97.7	97.9	98.0	98.1		98.3	98.3	98.3	98.3	98.3		98.3	99.3		98.3
≥ 4500 ≥ 4000	96.7 97.1		98.4	98.6	98.7	98.8	98.9	98.9		98.9	98.9	98.9		98.9	98.9	98.9
≥ 3500 ≥ 3000	97.3 97.5	98.4 98.7	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4		99.4	99.4
≥ 2500 ≥ 2000	97.6 97.6	98.9	99.1	99.3	99.4	99.5	99.6	99.6		99.7	99.7	99.7	99.7	99.7	99,7	99.6
≥ 1800 ≥ 1500	97.7 97.8		99.4		99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	97.8 97.8		99.4	99.6	99.7	99.8	99.9	99.9		99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	97.8 97.8	99,1	99.4	99.6	99.8		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 600	97.8 97.8	59.1 99.1	99.4	99.6	99.8	99.8	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	97.8	99.1 99.1	99.4		99.8	99.8	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.8 97.8		99.4		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.8 97.8		99.4 99.4													100.0

TOTAL NUMBER OF OBSERVATIONS 2891

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBIL /

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27104 WILLIAMS AFL ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	13:LITY (ST.	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥4	≥4	≥3	≥ 2 ½	≥ 2	≥1⅓	≥וי.	≥1	≥ 3,4	≥ ¾	≥ '⁄2	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	75.1 85.2	75.7 85.7	75.8 85.8	75.9 85.9	76.0 86.0	76.0 86.0	76.J 86.1	76.0 86.1	76.0 86.1	76.0 c .1		76.1 86.1	76.1 86.2	76.1 86.2	76.1 86.2	76.i 86.2
≥ 18000 ≥ 16000	86.1 87.0	85.6 87.6		86.8 87.7	30.9 87.8	86.9 87.8	87.0 87.9	87.0 88.0	87.0	87.0 88.0				87.1 88.1	87.1 88.1	87.1 39.1
≥ 14000 ≥ 12000	88.6	90.7	90.8	ε9.4 90.9	91.0	39.5 91.0	89.6 91.0	91.1	89.7 91.1		89.7 91.2	89.7 91.2		91.2	91.3	91.3
≥ 10000 ≥ 9000	91.0	92.0	92.0	92.2	2.3	92.3	92.1 92.3	92.4		92.4		92.5	9,.5	92.5		
≥ 8000 ≥ 7000	92.9	93.8	93.9	92.9	94.1	93.0	93.1	94.3	94.3	94.2		94.4	94.5	94.5	94.5	94.5
≥ 6000 ≥ 5000	94.3	97.2	97.4	93.9 97.5	97.6	96.1 97.6	96.2	97.9	97.9	57,9	98.0	98.0	98.1	96.1	90.1	98.1
≥ 4500 ≥ 4000	96.4		98.3	97.7 98.4		98.6	98.0 98.7	98.8		98.8	98.9	98.9	99.0	99.0	99.0	99.1
≥ 3500 ≥ 3000	97.2		98.8	98.6 98.9	99.0	98.7	98.9	99.3	99.3	99.3	99.4	99.4		99.5	99.5	
≥ 2500 ≥ 2000	97.6	_	99.0	99.0	99.3	99.2	99.4	99.5	99.6	99.5	99.7	99.7	99.8	99.8		
≥ 1800	97.6 97.7 97.7	98.9 99.0 99.0	99.2	99.1 99.3	99.3 99.4	99.4 99.4	99.4	99.7	99.7	99.6	99.8			99.9	99.9	99.3 100.0
≥ 1200	97.7	99.0	99,2	99.3	99.4	99.4	99.6	99.7	99.7		99.9	99.9	99.9	99.9	100.0	100.0
≥ 700 ≥ 800 ≥ 7′	97.7 97.7 97.7	99.0 99.0	99.2	99.3 99.3				99.7	99.7 99.7	99.8 99.8	99.9	97.9	99.9	99.9	100.0	
≥ 60,7	97.7	99.0	99.2	99.3	99.4	99.4	99.6	99.7	99.7		99.9	99.9	99.9	99.9	100.0	100.0
≥ 300 ≥ 400 ≥ 300	97.7	99.0	99.2	99.3	99.4	90.4	99.6	99.7	99.7		99.9	99.9	99.9	99.9	100.0	100.0
≥ 20^	97.7	99.0	99.2		99.4		99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	\$7.7								93.7							100.0

TOTAL NUMBER OF OBSERVATIONS 2905

USAF ETAC JULGA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

APR

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)		-				
. ₹EET	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥?	≥11/2	≥1¼	≥1	≥ 1/4	≥%	≥%	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	73.2 84.9	73.7 85.6	73.8	73.5 85.7	74.1 85.9	74.1 85.9	74.2 86.1	74.2 86.1	74.2 86.1			74.3 86.1	74.3	86.1	74.3	74.3 80.1
≥ 18000 ≥ 16000	85.8 86.7	86.4	86.5 87.5	86.6 87.5	86.8 87.8	- 1	86.9		85.9 87.9	87.0 88.0	87.0 88.0		87.0 88.0			87.0 88.0
≥ 14000 ≥ 12000	88.2 89.7	88.8 90.4		89.0 90.6	89.2 90.8	89.2 90.8	,	39.3 90.9	89.3 90.9	89.4 91.0	89.4 91.0		89.5 91.1	89.5 91.1	89.5 91.1	89.5 91.1
≥ 10000 ≥ 9000	91.3 91.8	92.5 92.5	92.2 92.7	92.2 92.7	92.4 92.9	92.4 92.9	92.5 93.0	92.5 93.0	92.5 93.0	92.7 93.2			92.8 93.3	92.8	92.8 93.3	92.8 93.3
≥ 8000 ≥ 7000	92.7 94.1	93.3 94.9		93.6 95.1	93.8 95.4	93.8 95.4	95.5	93.9 95.3		94.0 95.7	95.7	95.7	94.1 95.7	94.1 95.7	94.1 95.7	94.1 95.7
≥ 6000 ≥ 5000	95.7 96.4	96.5 97.3	96.8 97.6	96.8 97.7	97.1 97.9	97.9		97.2 98.0	97.2 98.1	97.5 98.4			97.6 98.5	98.5	97.6 98.5	97.6 98.5
≥ 4500 ≥ 4000	96.6 97.0	97.7 98.1	98.3	98.0 98.4	98.6	98 6	98.8	98.8	98.8	99.1	99.1	99.1		99.3	99.3	99.3
≥ 3500 ≥ 3000	97.3 97.5	98.4 98.6	98.8			99.1	99.3	99.3		99.5 99.6	99.5	99.6	99.6 99.7	99.8	99.8	
≥ 2500 ≥ 2000	97.6 97.6	98.7 99.7			99.3	99.3	19.4	99.4	99.5	99.8	99.4	99.8	99.8 99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	97.6 97.6	98.7	99.0	99.0	99.3	99.3	99.4	99.4	99.5	99.8	99.8	99.8		99.9	99.9	
≥ 1200 ≥ 1000	97.6 97.6	58.7 9H.8		99.1	99.3		99.5	99.5	99.5		99.3	99.A		99.9	100.0	
≥ 900 ≥ 800	97.6 97.6	9 .8	99.0	99.1	99.3	79.3	99.5	99.5	99.5	99.8	99.8	99.8		99.9	100.0	100.0
≥ 700 ≥ 600	97.6 97.6		99.0	99.1		99.3	99.5	99.5	99.5		99.8	99.8	99.9	99.9	100.0	100.0
≥ 500 ≥ 400	97.6					99.3	99.5	99.5	99.5		99.8	99.8		99.9	100.0	100.0
≥ 300 ≥ 200	97.6		99.0			99.3	99.5	99.5	99.5	99.8	99.0	99.8	99.9	99,9		100.0
≥ 100 ≥ 0	97.6 97.6						99.5	99.5 99.5				99.8 98		-	100.0	

TOTAL NUMBER OF OBSERVATIONS 2818

USAF ETAC JUL64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							ViSi	BILITY (ST)	ATUTE MIL	ES <sup>1</sup>						
(FEET:	≥10	≥6	≥5	≥4	≥3	≥21⁄2	≥ 2	≥1'2	≥1¼	≥1	≥ 34	≥ 2/8	צ'י≥	≥ 5/16	≥'₄	≥0
NO CEILING ≥ 20000	75.8 85.1	76.5 85.7	76.5 85.8		76.6 85.9				86.0	86.0	76.7 86.0	86.0	86.1	76.7 86.1	76.7 86.1	76.8 86.1
≥ 18000 ≥ 16000	85.6 86.8	66.2 87.5		-				87.7	87.7	87.7	87.7	87.7	87.8	86.6 87.8		
≥ 14000 ≥ 12000	30.4 90.1	39.0 90.8	89.1 90.9	91.0			91.2	89.3 91.2	89.3 91.2	91.2	91.2	91.2		89.4 91.3		91.3
≥ 10000 ≥ 9000	93.4	94.1	93.6	94.3	94.3		94.5	94.5	94.5	24.5	94.5	94.5	94.6		94.6	94.6
≥ 8000 ≥ 7000	94.7 95.6		95.5 96.4	96.6	96.6		96.8	96.8		96.8		96.8	96.9	95.9 96.9	96.9	96.9
≥ 6000 ≥ 5000	97.0 97.7	98.6		98.9			99.1	98.3 99.1	99.2	99.3	98.4 99.3	99.3	99.4	98.5 99.4	99.4	99.5
≥ 4.00 ≥ 4000	97.8 98.0	98.9	99.0	99.2	99.0 99.2	99.3	99.4	99.2 99.4		99.5		99.5	99.7	99.5 99.7	99.7	99.7
≥ 3500 ≥ 3000	98.1 98.1	98.9		99.3	99.3 99.4		99.6			99.7	99.7	99.7	99.8		99.3	
≥ 2500 ≥ 2000	98.3 98.3	99.1 99.1	99.3	99.5	99.5		09.7	99.7	99.7	99.8		99.R	100.0 100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	96.3		99.3	99.5		99.5	99.7	99.7 99.7		99.8	99.8	99.8	100.0	100.0	100.0	
≥ 1200 ≥ 1000	98.3 98.3	99.1	99.3	99.5	99.5 99.5	99.5	99.7	99.7	99.7 99.7	99.8	99.8	99.8	100.0 100.0	100.0	100.0	100.0
≥ 900 ≥ 800	98.3		99.3	99.5			99.7	99.7 99.7	99.7	99.8		99.8	100.0 100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.3		99.3	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.6	99.8	100.0 100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.3	99.1		99.5		99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.0 100.9	100.0	100.0	100.0
≥ 300 ≥ 200	98.3			99.5		99.5	99.7	99.7	99.7	99.8	99.8	99.8	100.0 100.0	100.0	100.0	100.0
≥ 100	98.3 98.3	1	99.3 99.3	99.5	99.5 99.5			99.7 99.7					100.0 100.0			

TOTAL NUMBER OF OBSERVATIONS 2575

USAF ETAC JUL 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHAMDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING	_						ViS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2 ,	≥ 2	≥1'⁄2	∡اا≲	≥1	≥ ,⁴	≥ 30	≥ %	≥5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	84.6 89.7	84.7	24.7 89.9	84.7	84.7	84.7		84.7	64.7 89.9	84.7 89.9	84.7	84.7	84.7	84.7 39.9	84.7	84.7
≥ 18000 ≥ 16000	90.1 91.0		90.3 91.2	90.3	90.3			90-3 91-2	90.3	90.3	90.3 91.2	90.3		90.3 91.2		90.7
≥ 14000 ≥ 12000	92.4 93.8	32.6 94.0	92.6 94.0	92.6 94.0	92.6	92.6		92.6 94.0	92.6	92.6	92.6	92.6		92.6 94.0	,	92.6 94.0
≥ 1,000 ≥ 9000	95.2 95.5	- 1			95.4 95.7	95.4 95.7		95.4 95.7	95.4 95.7			95.4		95.4	95.4	95.4 95.7
≥ 8000 ≥ 7000	96.8 97.4		1	97.0 97.8		97.0 97.8		97.0 97.8	97.0 97.8				97.0 97.8			97.0 97.8
≥ 5000 ≥ 5000	98 • 1 99 • 0		1 1	98.4 99.4		98.5 99.4			98.5		98.5 99.5	98.5 99.5			99.5	98.5 99.5
≥ 4500 ≥ 4000	79.1 99.3	99.4 99.6	1							99.5 99.8	99.5 99.8	99.5 99.8		99.5 99.8		
≥ 3500 ≥ 3000	99.5 99.5	99.7 99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2560 ≥ 2000	99.5 99.5	99.7 99.8	99.8	99.9	9.9	99.9	99.9	99.9	99.9	99.9 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.5 99.5	99.8	99.8	99.9	99.9		99.9		99.9	100.0	100.0	100.0	100.0	<u> 100.0</u>	100.0	100.0
≥ 1200	99.5 99.5	90.8	99.8	99.9	100.0	100.0	100.0	100.0	100.G	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 900 ≥ 800	99.5	99.8	99.8	99.9	100.0	100.0	170.0	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.5	99.8	99.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	170.0	100.0
≥ 500 ≥ 400	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	120.0	100.0
≥ 300 ≥ 200	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 100																100.0

TOTAL NUMBER OF OLSERVATIONS \_\_\_\_\_\_ 2138

USAF ETAC 101 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

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### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZUNA/CHANDLER 42-61,63-65,68-70,72-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS 151

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						1
√FEE1	≥10	≥6	≥5	≥ 4	≥3	≥27⁄2	≥2	≥11/2	≥1¼	≥≀	≥ 1,4	≥ %	≥ ⅓	≥5 16	≥ ધ્4	≥0
NO CEILING	90.6													- 1		'
≥ 20000	94.1		94.2					94.2				94.2		94.2		94.2
≥ 18000	94.2					94.4						94.4	94.4			
≥ 16000	96.0							96.1	96.1			96.1	96.1	95.1		90.1
≥ 14000	97.4															
≥ 12000	97.9		98.1				98.1	98.1			98.1					98.1
≥ 10000	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5			98.5		98.5			98.5
≥ 9000	98.4	98.6	98.6	98.6			98.6			98.6		98.6				98.6
≥ 8000	98.9			99.0												99.0
≥ /000	99.3	99.5	99.5	99.5	99.5	99.5	9,5	99.5		99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 5000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
∠ 4500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 3500	90	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	95.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0
≥ 2500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800								100.0								
2 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	94.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000								100.0								
≥ 900								100.0								
≥ 900 ≥ 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0
≥ 600								100.0								
≥ 500								100.0								
≥ 400								100.0								
≥ 300								100.0								
≥ 200								100.0								
≥ 100								100.0								
∑ C								100.0								
		1-0000	- 0000	- 4 4 4 6					- 7000							تنتت

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 2076

USAF ETAC FOR 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZONA/CHANOLER 42-74

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥212	≥ 2	≥172	≥114	≥1	≥ 1/4	≥ ⅓	≥ ′⁄2	≥5 16	≥ ¼	≥0
NO CEILING ≥ 20000	90.6 94.0	90.6 94.1	90.6 94.1		90.6 94.1	90.6 94.1	90.5 94.1	90.6 94.1	90.6 94.1	90.6 94.1	90.6 94.1	90.6 94.1	90.6 94.1	94.1	90.0 94.1	90.6 94.1
≥ 18000 ≥ 16000	94 • 2 95 • 2	94.3 95.2	95.2	95.2	95.2	95.2	95.2		94.3 95.2	94.3	94.3 95.2	94.3 95.2	94.3 95.2	94.3 95.2	94.3	95.2
≥ 14000 ≥ 12000	96.9 98.0	97.0 98.0		98.0	98.0	98.0				97.0 98.0		97.0 98.0	98.0	98.0		98.0
≥ 10000 ≥ 9000	98.3 98.4	98.4 98.5	98.5	98.5	98.5	98.5	98•4 98•5		98.5	98.4 98.5		98.4 98.5	98.5	98.5	98.4 98.5	98.5
≥ 8000 ≥ 7000	98•8 99•0	99.0	99.0 99.2		99.2	99.2	99.0	99.2	99.2	99.0 99.2	99.2	99.0 99.2		99.2	99.0 99.2	
≥ 6000 ≥ 5000	99.4 99.5	99.6			99.7	99.7		99.7	99.7	99.6	99.7					99.7
≥ 4500 ≥ 4000	99.5 99.7	99.8 99.9				99.8 100.0		99.8 100.0				99.8 100.0			99.8 100.0	
≥ 3500 ≥ 3000	99.7 99.7	99.9				100.0 100.0										100.0 100.0
≥ 2500 ≥ 2000	99.7 99.7	99.9 99.9	99.9													100.0 100.0
≥ 1800 ≥ 1500	99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100. Ú	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 1200 ≥ 1000	99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 9.√ ≥ 800	99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 700 ≥ 600	99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0 100.0
≥ 500 ≥ 400	99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.7	100.0	100.0 100.0
≥ 100 ≥ 0	99.7 99.7	99.9														100.0

TOTAL NUMBER OF OBSERVATIONS 2325

USAF ETAC JUL 64 9-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZUNA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LS)

CEILING FEET							VIS	BILITY (ST	ATUTE MIL	ES)		-				
	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1%	≥1	≥ 14	≥ %	≥ ½	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	85.7 92.7	85.9 93.0	86.0 93.0	86.0 93.0			86.0 93.0	86.0			86.0 93.0	86.0	86.0 93.0			
≥ 18000 ≥ 16000	93.0 93.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3		93.3	93.3 94.3	93.3	93.3	93.3	93.3	93.3
≥ 14000 ≥ 12000	95.9 97.0	96.1 97.2	96.2		96.2	96.2	96.2	96.2 97.3	96.2 97.3	96.2	96.2	96.2	96.2	94.3	96.2	96.2
≥ 10000 ≥ 9000	97.8 98.0	98.1 98.4	98.2		98.2 98.5	98.2	98.2	98.2	98.2 98.5	97.3 98.2	98.2	98.2	99.2	97.3 98.2	98.2	99.2
≥ 8000 ≥ 7000	98.3 98.5	98.7	98.7 99.0	98.7	98.7 99.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.5	98.7	98.7	
≥ 6000 ≥ 5000	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.0 99.5 99.8	99.0 99.5 99.8	99.5	99.5	99.5	99.5		99.5
≥ 4500 ≥ 4000	99.3	79.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		99.8	99.8	99.8	99.8	99.8
≥ 3500 ≥ 3000	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500 ≥ 2000	99.4	99.8	99.9		99.9	99.9	99.9	99.9	99.9	99.9 99.9	99.9	99.9	99.9	99.9		99.9
≥ 1800 ≥ 1500	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	90 0	00 0	00 0	00 0	00 0	00.0	99.9
≥ 1200 ≥ 1000		2 / 6 / 1	• • • • • • • • • • • • • • • • • • •	ころう・ロコ	. U U a Ui	LUO - OL	170.01	100.00	COO - OII	1 AA . AII	<b>777 711</b>	$\Delta \Delta $	00 00		00 01	200
≥ 900 ≥ 800		7 7 8 Y	100 0012	100 0 0 14	. U U • U ()	L U U • OI.	100.01	.00 • 00	∵oo⊾on	00.00	00.00	$\Omega \Omega \cdot \Omega \Omega$	OO OIL	OO OIL	00 00	00 0
2 700 ≥ 600	· · · · · · · · · · · · · · · · · · ·	/ / 9 14				. (363 /31	100.01	aa. on	വവ വ	20 011		^^ ^	00 00	00 01	000	2.2
≥ 500 ≥ 400					V O • UII	. <b>.</b>	100.01 100.01	. [ ] [ ] [ ] [ ]	00.00	OO - OIL	ለለ ለበ	00 CI		70 AII	AA AIS	00
≥ 300 ≥ 200	,				VV • VII		00.01	1311 - 1311	no an	$\alpha \alpha$ $\alpha b$			^^ ^!		00 01	000
≥ 100 ≥ 0		, , ,			VU a UII		100.01	ma ani	$\alpha \alpha$ - $\alpha \alpha$			AA AB	~~ ~!	AA 411	00 00	~~~

TOTAL NUMBER C ISERVATIONS \_\_\_\_\_

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1½	≥11.	≥1	≥ 3,4	≥.%	≥ 1/2	≥ 5/16	≥14	≥0
NO CEILING ≥ 20000	85.0 93.5	85.1 93.6			85.3 93.8		93.8	85.3 93.8	85.3 93.8	93.8				85.3 93.8	85.3 93.8	85.3 93.8
≥ 18000 ≥ 16000	93.8 94.4		94.0 94.7		94.0 94.7	94.0 94.7	94.7	94.7	94.0 94.7		94.1 94.8	94.1 94.8		94.1 94.8	94.1 94.8	94.1 94.8
≥ 14000 ≥ 12000	95.7 96.8		97.1	97.1	96.0 97.1	96.0 97.1	97.1	97.1	97.1	97.2	96.1 97.2	97.2	97.2		96.1 97.2	96.1 97.2
≥ 10000 ≥ 9000	97.6 97.7	97.8 98.0	98.1	98.1	98.1	98.0 98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.0 98.2	93.2
≥ 8000 ≥ 7000	98.1 98.5		98.9	99.0	99.0		99.0	99.0	99.0	99.0	99.0	99.0	99.0		99.0	99.0
≥ 6000 ≥ 5000	98.8			99.6	99.7	99.7	99.7	99.7	99.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500 ≥ 4000 ≥ 3500	99.2	99.5 99.6		99.8	99.9	99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	
≥ 3000	99.3 99.3	99.7 99.7	99.8 99.8	99.8	99.9		99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000 ≥ 1800	99.3			99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	99.7	99.8 99.8	99.9	99.9	99.9	100.0	100.0	100.0	lon.o	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.7	100.0	100.0
≥ 800	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99,3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0
≥ 400	99.3		99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	<u>100</u> 0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	101 1	100.0		100.0 100.0	
≥ 0	39.3	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0				

TOTAL NUMBER OF OSSERVATIONS 2986

USAF ETAC JUL64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

2

WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING :FEET:	ļ 	-	,				v:S	IBILITY (ST	ATUTE MIL	ES)					·	
	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	≥1¼	≥1	≥ 1/2	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	82.3 92.5	82.5	1			82.8 93.1	92.8 93.1	82.8 93.1	82.8 93.1			82.8	82.8			
≥ 18000 ≥ 16000	93.0 93.8		93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.1 93.7	93.1 93.7	93.7	93.1 93.7	93.7	93.7
≥ 14000 ≥ 12000	94.5	94.8	95.1	95.3	95.3	95.3		95.3		95.3			95.3	95.3	94.5	94.5
≥ 10000 ≥ 9000	96.3	96.6	96.9	97.0	97.0	97.0	97.0			96.6 97.0			96.0		96.6 97.0	96.6
≥ 8000 ≥ 7000	96.5		97.6	97.7	97.7	97.2 97.7	97.7	97.2	97.2 97.7		97.2	97.7			97.2	97.2
≥ 6000	97.6 98.2	98.5	98.8	98.9	98.9	98.9		98.3	98.9	98.3	98.3	98.3		98.3	98.4	98.4
≥ 5000 ≥ 4500	98.8 98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000 ≥ 3500	99.0	99.4		99.8	99.9	99.9	99.9	99.9	99.9	00 0	90 0	രെവി	ام مد	99.7 99.9	00 0	99.7 99.9
≥ 3000 ≥ 2500	99.1	99.5 99.5	99.8	7707	1 V V • V I	COC • OIL	L'''O • OII	LOO • 013	LOO • OI	LOOLOB	100.0	nn anh	100 All	I a a a l	ו אחי או	100 0
≥ 2000	99.1	99.5	99.8	99.9	00.0	100.0	100.01	00.00	100 • 0	100.00 100.0	100.0	10 • 00. 10 • 00	00.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.1	99.5 99.5	99.8	99.91	30.0	00.01	00.01	00.01	00.01	100.00	100.00	[0.00.	00.00	100.0	100.0	0.00
≥ 1000		99.5	// . 0	7 / 6 / 1/4		. U () • U ()	. 17 U a UII	.00 • 00	.00 <b>.</b> 00	ററംവ	00.01	$\Omega \Omega \cdot \Omega B$	an all	OO OI	OG OB	00 0
≥ 900 ≥ 800		99,5	7 7 7 0		. U U # U		. עט זי טיז	. O O a OH	AHO & OH	.00 .00	ាល . លា	<b>AA. AB</b>	$\Delta \Delta \Delta \Pi$	AA Ah	AA 11	00 0
≥ 700 ≥ 600		99.5	99.8	// 4 / 12	$\mathbf{U} \cup \mathbf{U} \bullet \mathbf{U} \cup \mathbf{U}$		1363 - 1361	(1(1 _ (1))	an . m	00 00	00.01	A. A.	AA AB	^ ~ ~ ~	00 00	
≥ 50° ≥ 400	99.1	99.5									00.01					
≥ 300 ≥ 200	99.1	99.5	99.8	99.91	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.0
± 100 ≥ 0	79.1	99.5	99.8	99.91	00.01	00.01	00.01	00.01	$\frac{00.01}{00.01}$	00.01	00.01	$\frac{00.01}{00.01}$	00.01	00.01	00.01	00.0
	99,1	99.5	99.8	99.91	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_\_

USAF ETAC 10164 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

MAY

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS ILST

CEILING							VISI	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≩ì	≥ 1,	≥%	≥%	≥5/16	یا ≤	≥0
NO CEILING ≥ 20000	80.5 92.1		80.8 92.6		80.9 92.7	86.9 92.7	92.7	80.9 92.7	80.9 92.7	92.7	81.0 92.7	81.0 92.7	81.0 92.8	81.0 92.8	92.3	92.8
≥ 18000 ≥ 16000	92.7 93.8	93.0 94.2	93.1	93.2	93.2	93.2 94.4	94.4	93.2	93.2	93.3 94.5		93.3	93.3	93.3	93.3	93.3
≥ 14000 ≥ 12000	95.0 95.8	95.3 96.2	95.5 96.3	96.5	95.6	95.6 96.5	96.5	95.6 96.5	95.6	96.5	96.5	95.7	95.7 96.6	95.7 96.6	95.7 96.6	95.7
≥ 10000 ≥ 9000	96.6		96.8	97.2	96.9	96.9 97.2	37.2	97.0	97.0 97.2	97.3	97.0	97.0	97.1 97.3	97.1 97.3	97.1 97.3	97.1
≥ 8000 ≥ 7000	97.1 97.5	97.5 97.8	97.7 98.0		97.8 98.1	97.8 98.1	98.1	97.8 98.2	97.8 98.2	98.2	97.9 98.2	97.9	97.9 98.3	97.9 98.3	97.9 98.3	98.3
≥ 6000 ≥ 5000	98.3		98.9 99.3		99.0 99.5	99.0 99.5	99.6	99.1 99.6	99.1		99.2	99.2	99.2	99.2	99.2	
≥ 4500 ≥ 4000	98.9	99.4	99.4		99.6	99.6	99.8	99.7 99.8	99.7 99.8	99.7	99.7	99.7	99.8	99.8		100.0
≥ 3500 ≥ 3000	99.0	99.4	99.5 99.5		99.7	99.7					99.9	99.9	99.9	99.9	99.9	100.0
≥ 2500 ≥ 2000	99.0 59.0		99.5	99.7	99.7	99.7					99.9	99.9	99.9	99.9 99.9	99.9	100.0 100.c
≥ 1800 ≥ 1500 ≥ 1200	99.0 99.0	99.4	99.5 99.5	99.7	99.7	99.7	99.8	99.8 99.8	99 • 8 99 • 8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9	99.9	100.0 100.0
≥ 1000	99.0	99.4	99.5	99.7 99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 900 ≥ 800	99.0	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8		99.9	99.9	99.9	99.9	99.9	100.0
≥ 700 ≥ 600	99.0 99.0	99.4	99.5	99.7	99.7	99.7			99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 500 ≥ 400	99.0		99.5	99.7	99.7	99.7	99.8		99.8	99.9	99.9	99.9	99.9	99.9	99,9	100.0
≥ 300 ≥ 200	99.0 99.0		99.5	99.7	99.7	99.7		99.8		99.9			99.9 99.9	99.9 99.9	99.9	100.0 100.0
≥ 100 ≥ C	99.0 99.0				99.7	99.7	1 1		-		99.9			- 5		100.0

TOTAL NUMBER OF OBSERVATIONS 2902

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

MAY

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES)						]
.FEET1	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥2	≥1%	≥114	≥1	≥ 34	≥%	≥ 1/2	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	81.7 92.5	82.0 92.7	82.1 92.9	82.1 92.9	82.1 92.9	82.2 92.9	82.2	82.2 93.0	82.2 93.0	82.2 93.0	82.2 93.0	82.2 93.0	82.2 93.0	82.2 93.0	82.2 93.0	82.2 93.0
≥ 18000 ≥ 16000	92.9 94.1	93.2 94.4	93.4 94.5	93.4 94.5	93.4	93.4 94.6	94.6	93.5 94.6	93.5 94.6	93.5 94.6	93.5 94.6	93.5 94.6	93.5	93.5 94.6	93.5 94.6	93.5 94.6
≥ 14000 ≥ 12000	95•3 96•2	95.6 96.6	95.7 96.7	95.8 96.8	95.9 96.8	95.9 96.9	95.9	95.9 96.9	95.9	95.9 96.9	95.9 96.9	95.9 96.9			95.9 96.9	95.9 96.9
≥ 10000 ≥ 9000	97.2 97.3	97.7	97.6 97.8						98.0			97.8	98.0			97.8 93.0
≥ 8000 ≥ 7000	97.8 98.4		98•3 98•9			98.4 99.1	98.4 99.1	98.5 99.1	99.1	98.5 99.1	98.5 99.1	98.5 99.1	99.1	98.5 99.1	98.5 99.1	98.5 99.1
≥ 6000 ≥ 5000	98.8 99.0	99.4			99.7	99.5 99.7	99.7	99.8	99.8				99.8	99.6 99.8		99.8
≥ 4500 ≥ 4000	99.0	99 5	99.7	99.7 99.8	99.7			99.9	99.9	99.9	99.9		99.9	99.9	99.9	
≥ 3500 ≥ 3000	99.1	99.5	99.7			99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9
≥ 2500 ≥ 2000	99.1			99.8			59.6	99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.2	99.6	99.7	99.8	99.9		99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0
≥ 1200	99.2	99.6	99.7	99.8 99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.2	99.6	99.7	99.8	99.9	99.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	95.2 99.2 99.2	99.6	99.7	99.8 99.8	99.9	99.9			99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200 ≥ 100	99.2	99.6	99.7	99.8	99.9	99.9	99.9	44.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0
≥ 100	99.2			99.8				-					100.C			

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

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### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES,						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1½	≥14	≥i	≥ ⅓4	≥ 3/4	≥ ⅓	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	87.8 93.6	87.8 93.6	87.8 93.6	87.8 93.6		87.8 93.6	87.9 93.7	87.9 93.7			87.9 93.7			87.9 93.7	87.9 93.7	87.9 93.7
≥ 18000 ≥ 16000	94.3	94.4		94.4		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 14000 ≥ 12000	96.9 97.6	97.7 97.7		97.0 97.7		97.0 97.7	97.0	9/.0		97.0			97.0			97.0
≥ 10000 ≥ 9000	98.1 98.2	98.3 98.3		98.3 98.4		98.3 98.4	98.3 98.4	1		96.3 98.4	98.3	98.3		98.3 98.4	98.3	98.3 98.4
≥ 8000 ≥ 7000	98.5 99.0		•	98.7 99.2	98.7 99.2	98.7	98.8	- 1	98.8 99.3	-		98.8			98.8	
≥ 5000 ≥ 5000	99.4 99.5	99.5 99.7		99.6		99.6 99.9	99.7	99.7		99.7 100.0					99.7	99.7
≥ 4500 ≥ 4000	99.5 99.5	99.7 99.7		99.8	1	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.5 99.5	99.7 99.7		99.8 99.8	1	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.5 99.5	99.7	99.8 99.8	99.8 99.8		99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.5 99.5	99.7	99.8 99.8	99.8 99.8		99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.5 99.5	99.7	99.8 99.8	99.8 99.8	99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	1.00.0	100.0
≥ 900 ≥ 800	99.5 99.5	99.7	99.8	99.8	99.9 99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.5 99.5	99.7	99.6 99.6	99.8 99.8	99•9 99•9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5	99.7 99.8	99.8	99.8	99.9 99.9	99.9 99.9	99.9 100.0	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.6	99.4 99.8		99.9	99.9	99.9	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0
≥ 100	99.6 99.6	99.8	99.9	99.9	99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2360

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLFTE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-60,62-65,68-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HXXX II ST

CEILING							VIS	BILITY (ST	ATUTE MIL	ES;				<del></del>		
(FEET	≥;0	≥6	≥5	≥ 4	≥3	≥21/2	≥2	≥!′>	≥1¼	≥1	≥ 1,4	≥%	≥ ⅓	≥5 16	≥ .	≥0
NO CE'LING ≥ 26000	92•2 94•4			94.5	94.5		94.5	94.5			94.5	92.3 94.5			94.5	92.3 94.5
≥ 18000 ≥ 16000	94.6				95.5	95.5	95.5	95.5		94.7 95.5		94.7 95.5			94.7 95.5	94.7 95.5
≥ 14000 ≥ 12000	96.9 98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	97.0 98.7	98.7	98.7	98.7	97.0
≥ 10000	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000 ≥ 7000		100.0	100.0		100.0	100.0	100.0		100.0	10n.r	100.0	100.n	100.0	100.0	100.0	100.0
≥ £300 ≥ 5000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0
≥ 4000 ≥ 4000 ≥ 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.9	100.0	100.0	. :0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600 ≥ 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.9	100.0	100.0	100.0	100.0	100.0	110.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0											100.0					

TOTAL NUMBER OF OBSERVATIONS .....

2017

USAF STAC HUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB APIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							vis	BILITY IST	ATUTE MIL	ES:						
FEET	≥ 10	≥6	≥5	≥ 4	≥3	≥ 2 1/2	≥ 2	≥11⁄2	≥1%	≥1	≥ 14	≥ '⁄5	≥ ⅓	≥ 5.16	2 :₄	≥0
NO CEILING ≥ 20000		90.3 92.8		92.8	92.8	92.3	92.8	92.8	92.8	92.8	90.3 92.8	90.3 92.8		90.3	92.8	90.3 92.8
≥ 18000 ≥ 16000	93.1 93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 14000 ≥ 12000	96.1 97.8	98.0	98.0	98.0	98.0	98.0	08.0	96.0	98.0	98.0		98.0	98.0	98.0	98.0	96.3
≥ 10500 ≥ 9000	98.9	99.4	99.1		99.4	99.4	99.4		99.4	99.4		99.4	99.4	99.4	99.4	
≥ 8000 ≥ 7000	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.6 99.9	99.9	99.9	99.9	99.9	99.9
≥ 6000 ≥ 5000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500 ≥ 4000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	<u>100.0</u>	100.0	100.0
≥ 2500 ≥ 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.8	100.6	100.0	100.0	100.0	<u>100.0</u>	100.0	100.0	100.0	100.1	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	10n.u	100.0	100.0
≥ 900 ≥ 800	99.8	100.0	100.0	100.0	100.0	100.0	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10c.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10(.0
≥ 00																100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_\_

2252

USAF ETAC  $^{103M}_{101.64}$  0-14-5 (OL A) previous foilines of this form are obsolete

### CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	≥114	≥1	≥ 3,4	≥%	≥ ½	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	88.1 91.1	88.4 91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 18000 ≥ 16000	91.6 92.5	92.0 92.9	92.9	92.9		93.0	93.0	93.0	93.0	93.0		93.0	93.0	93.0	93.0	92.1
≥ 14000 ≥ 12000	94.7 96.7	95.1 97.2		97.2		97.3	97.3	97.3	97.3	97.3			97.3		97.3	95.2 97.3
≥ 9000	98.0 98.5	98.4 98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		99.0	97.0
≥ 8000 ≥ 7000	98.8	99.7	99.8	99.8	99.4	99.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.4
≥ 6000 ≥ 5000 ≥ 4500	99.3 99.4		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0
≥ 4000	99.4	99.8	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.4	99.8	100.C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.8	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.8	100.0	100.0	100.0	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99,8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4 99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4		100.0													

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 2

USAF FTAC 101 64 0-14-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRIPT

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBJERVATIONS)

0900-1100 HOURS (LST

CSILING							VIS	BILITY (ST.	ATUTE MIL	ES)	·					
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥2	≥1½	≥114	≥1	≥ 1,	≥%	≥ ½	≥ 5/16	≥4	≥0
NO CEILING ≥ 20000	90.1 93.0	90.5 93.4	90.5	93.5	93.6	93.6	93.6		90.6		90.6		93.6	93.6		
≥ 18000 ≥ 16000	93.7 94.5	94.1 94.9		95.0	95.0	95.0	95.0			1	94.3 95.)	94.3 95.0	94.3		94.3 95.0	
≥ 14000 ≥ 12000	95.8 97.7	96.3	98.2	98.2	98.3	98.3	98.3	98.3		98.3	98.3	98.3				98.3
≥ 10000 ≥ 9000	98.6 98.7	99.0 99.1	99.2		99.4	99.4		99.4	99.4	99.4	99.4			99.4		99.4
≥ 8000 ≥ 7000	98.9 99.2	99.3	99.7		99.9	99.9	79.9		99.9		99.9	99.9		99.9	99.9	99.9
≥ 6000 ≥ 5000	99.3	99.7 99.7		99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500 ≥ 4000	99.3	99.7 99.7		99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99,3	99.7 99.7	99.8 99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.3	99.7		99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.3	99.7 99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.3	99.7 99.7		99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 200	99.3	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.3 99.3								100.0 100.0							

TOTAL NUMBER OF OBSERVATIONS 288

USAF ETAC FORM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L S T )

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	ES)					· · ·	
	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥ ½	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	89.3 93.8	89.6 94.1	89.0 94.1		89.7 94.2	89.7 94.2	89.7	89.7 94.2	89.7 94.2			89.7 94.2	89.7 94.2	89.7		
≥ 18000 ≥ 16000	94.3 95.1	94.7 95.5	94.7		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000 ≥ 12000	95.9 97.5	₹6.3 98.0	96.3	96.4	96.4	96.4	96.4		96.4	96.4	96.4	95.5	95.5 96.4	96.4	96.4	96.4
≥ 10000 ≥ 9000	98.6 98.6	98.9	98.9		98.9	98.9	98.9 99.1	96.9	98.9	98.9	98.9	98.0	98.9	98.9	98.9	98.9
≥ 8000 ≥ 7000	98.9	99.3	99.3		99.4	99.4	99.4		99.4	99.4	99.4	99.4	99.4			99.4
≥ 6000 ≥ 5000	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.6	99.9	99.9	99.9	90.0	99.9	90 0
≥ 4500 ≥ 4000	99.4	99.8	7707	T 0 0 0		100 • JI	L (10 o o).	100 • 01	100 <b>-</b> 00	99.9	100 - 01	nn . ei	ומ. ממו	വരവ	I AA AI	100 0
≥ 3500 ≥ 3000	99.4	99.8	7797	TOO * O	L () () • ()	TOO • OI	L O O OI.	100 - 00	i oo - or	100.0	I AA . AII	100 - Ni		ות חו	100 0	100 0
≥ 2500 ≥ 2000	99.4	99.8	// 0 /	± ∪ ∪ • ∪ .		1 O O O O	1 O O • JIJ	LOU • OII	LOO∡O⊞	100.0	i	100 - 00	1 AA . All	וח חו	וא או	00
≥ 1800 ≥ 1500	99.4	99.8	7747	4 U U • U .	L O O O O O	L U () • ()].	LOO • OI	100 • OII	LGO • OII	00.0	വരം വ	ഹവ . വി	1 nn . nl1	ות חו	ות ממו	100
≥ 1200 ≥ 1000	99.4	//• 9	2262	LOU . U	L U U • U	L U U ())/		LOO ()))	LOO • OD	00.0	00 - 00	00.01	വരംവി	$  \Delta \Delta   \Delta  $	וא מאו	
≥ 900 ≥ 800	99.4	99.8	99.9	1 O O + O I	1 O O O O O	LUO • OH	LOO • OII	LOO - AII	00.01	00.01	וח חח	AA AI1	וות חחו	00 0	100	000
> 700 ≥ 600	99.4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 7 9 7 2	* ^ V * V	- O O • O I	100 • 01		LOO • OH	LOO • OO	00.01	00.00	00.00	00.01	'AA . Ali	DO AL	00 0
≥ 500 ≥ 400		99.8	7747	1 O O O O O	100 • 011	100.01	.00 - 01	LOO • OII	:00 <b>-</b> 01	00.01	00.00	00 - 01	00.01	00.01	00 01	00 0
≥ 300 ≥ 200	99.4	99.8	77 6 711		LUU a UU	LOOLADII	OO - OH	נוח . חח	$\Omega \Omega$ . $\Omega \Omega$	00.01	AA AN	AA OIL	AA A11	00 01	00 01	000
≥ 100 ≥ 0	1	, , e vi	// 8 /: 4				1 1 C L . I H I	[ 24 ) . 4 W 4	/1/1 - /WI	00.01	מת חוז	~~ ~!	00 013	^ ^ ^ 1	AA A18	~~ ~!

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL64 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23104

C

WILLIAMS AFB ARIZONA/CHANDLER

42-74

NUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							vis	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥1	≥ ¾	≥%	≥½	≥ 5/16	∧i	≥0
NO CEILING ≥ 20000	89.2 93.9	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	89.7 94.5	99.7 94.5	89.7 94.5	89.7 94.6	89.7 94.6
≥ 18000 ≥ 16000	94.3 95.0		95.5		94.9 95.7	94.9 95.7		94.9 95.7	94.9 95.7	94.9 95.7	95.7	95.7	94.9 95.7	95.7	95.7	95.7
≥ 14000 ≥ 12000	95.8 97.0		97.6	97.7	96.5 97.8			96.5 97.8	97.8		97.8	97.8	96.5 97.6		97.9	97.9
≥ 10000	97.4 97.5		98.0	98.2	98.1 98.2	98.1 98.3		98.1 98.3	98•1 98•3	98.1 98.3		98.3		98.3	98.4	98.4
≥ 8000 ≥ 7000	98.1 98.5		99.1	98.8 99.2		99.3		98.9	98.9 99.3		99.4	99.4	99.0 99.4	99.4	99.5	99.5
≥ 6000 ≥ 5000	98.8 98.8			99.5	99.5 99.5	99.6		99.5 99.6	99.5 99.6		99.7	99.7	99.8	99.8	99.9	99.9
≥ 4500 ≥ 4000	98.8 98.8	99.4	99.4	99.5	99.6	99.6	99.6		99.6	99.7	99.7	99.7	99.8	99.8	99.9	99.9
≥ 3500 ≥ 3000	98.8 98.8	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99,9	99.9
≥ 2500 ≥ 2000	98.8	99.4	99.4		99.6	99.7	99,7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 1800 ≥ 1500	98.8	99.4	99.4		99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 1200 ≥ 1000	98.8	99.4	99.4	99.6	99.6	99.7	99.7		99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 900 ≥ 800	98.8 98.8	99.4	99.4	99.6	99.6	99.7	99.7	99.7 9°.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 700 ≥ 600	98.8 98.8	99.4			99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8		99.9	100.0	100.0
≥ 500 ≥ 400	98.8	99.4		99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
≥ 300 ≥ 200	98.8	99.4	99.4	99.6	99.6	99.7	99.7	99.7 99.7	99.7 99.7	99.8	99.8	99.8	99.9 99.9	99.9	100.0	100.0
≥ 100 ≥ G	98.8 98.8						99.7	99.7	99.7	99.8 99.8						107.0 100.0

TOTAL NUMBER OF OBSERVATIONS...

280

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

					<del></del>		VIS	BILITY (STA	ATUTE MILE	ES)						
CEILING (FEET)																
(1661)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥11/4	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥%	≥0
NO CEILING	87.3	87.5	87.6	67.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 20000	92.8	93.2	93.2	93.2	93.3			93.3			93.3					93.3
≥ 18000	93.2	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 16000	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 14000	95.0	95.4	95.4	95.4	95.5		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	96.6	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 10000	97.2	97.5				97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
≥ 9000	97.5	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 8000	97.9	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 7000	98.1	98.7	98.7	98.7	98.8			98.9	98.9		98.9					
≥ 6000	90.6	99.2	99.3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6			99.6	99.6	99.6
≥ 5000	98.7	99.3		99.5	99.6			99.7			99.7				99.7	99.7
≥ 4500	98.8	99.4	99.5	99.5	99.7	99.7	99.8	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 4000	98.8	99.4			99.7			99.8			99.8					99.9
≥ 3500	98.8	99.4		-	99.7			99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 3000	98.8	99.4	99.5	99.5	99.7			99.8	99.8							99.9
≥ 2500	98.8	99.4	95.5	99.5	99.7			99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 2000	98.8	<u>99.4</u>			99.7				99.8						99.9	99.9
≥ 1800	98.8	99.4	99.5					99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 1500	98.8	99.4	99.5		99.7			99.8	99.8							99.9
≥ 1200	98.8	99.4	99.5	99.5	99.7			99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 1000	98.8	99.4	99.5	99.5				99.8		99.8	99.8					99.9
≥ 900	98.8	99.4	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 800	98.8		99.5					99.8			99.8					99.9
≥ 700	98.8	- 1	99.5	1	99.7						99.8				1	99.9
≥ 600	98.8	99.4	99.5		99.7						99.8					99.9
≥ 500	98.8		99.5		99.7						99.8			-		
≥ 400	98.8	99.4	99.5				99.8				99.8					98.9
≥ 300	98.8	99.4			- '	99.7	99.8				99.8			-		
≥ 200	98.8	99.4	99.5				99.8		99.8							99.9
≥ 100	98.8	99.4							99.8						99,9	
≥ 0	98.8	99.4	99.6	99.6	99.8	99.B	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS...

2599

USAF ETAC JUL64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≧ı	≥ ¾	≥%	≥ 1/3	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	91.2 94.0	91.3 94.2						91.4 94.3				91.4		91.4	91.4 94.3	
≥ 18000 ≥ 16000	94.5 95.1			95.3		95.4	95.4	94.8 95.4				94.8 95.4		94.8 95.4		95.4
≥ 14000 ≥ 1200	96.3 98.1	98.2		98.3	98.4	98.4	98.4	98.4	96•6 98•4	98.4	98.4	96.6 98.4	98.4	96.6 98.4	98.4	98.4
≥ 10000 ≥ 9000		99.0	99.0	99.1	99.2 99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2 99.2	99.2	99.2
≥ 8000 ≥ 7000	99.2 99.4	99.6	99.7	99.8	99.8	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.7	99.9	99.9
≥ 6000 ≥ 5000	99.5 99.5		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.6	100.0	100.0	100.0	100.0	100.0
≥ 4500 ≥ 4000	99.5			99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.5 99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.5 99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.5	99.7		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.5 99.5	99.7		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.5 99.5	99.7		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.5	99.7		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.5 99.5	99.7 99.7	99.8 99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.5										100.0 100.0				-	

TOTAL NUMBER OF OBSERVATIONS 237

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

231C4 WILLIAMS AFB ARIZ "YA/CHA" DLLR 42-65,68-72,74

0000-0200

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	IBILITY -ST	ATUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2:	≥ 2	≥,,	≥1.	21	≥ 34	≥,*	≥ 7	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	64.5 71.6	71.9		64.8 72.0			72.1		1			64.0 72.2	1		1 1	64.9 12.2
≥ 18000 ≥ 16000	72.5 74.2	72.9 74.6		72.9 74.6	73.1 74.8	73.1 74.8	73.1 74.8	73.1 74.8		73.1 74.8		73.1 74.9	73.1 74.8	73.] 74.8	1	73.1 74.5
≥ 14000 ≥ 12000	80.4 88.0	80.8 88.5	48.5	88.5	88.7		98.7	83.8	8.58		81.1 58.8					31.1 83.8
≥ 10000	91.3 9.0		93.6	93.7	94.0		94.0	94.0	94.0	94.0	94.0		94.0	94.0	94.0	
≥ 8000 ≥ 7000	95.9	96.5	98.0	98.2	98.4	97.0	96.5	98.5	98.5	98.5		92.6	98,6	98.6	98.6	
≥ 6000 ≥ 5007	97.5	98.2 93.8	98.9	99.1	99.3	98.7	99.4	99.5	99.5	99.5	98.8	99.5	99.5	99.5	99.5	99.5
≥ 4500 ≥ 4000	98.0 98.1	98.9		99.1 99.2		99.4 99.5	09.6	99.7	99.7	99.7	99.7	99.6 99.7	99.7	97.7	99.7	47.7
≥ 3500 ≥ 3000	95.1 96.1	93.9 97.1	99.1 99.2		99.8	99.5 99.1		99.9	99.7	100.0	100.0	100.0	120.0	99.7 100.0	100.0	99.7 100.0
≥ 2500 ≥ 2000	98.1 93.1	99.1 99.1	99.2		99.8	99.R 99.R	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	170.0	100.0
≥ 1800	98.1 98.1	99.1 99.1	99.2			99.8 99.8	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.1 98.1	99.1 99.1	99.2	99.4 99.4	99.8	99.R		99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	98.1 98.1		99.2		99.8	99.8	99.9	99.9 99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.1 98.1	99.1	99.2		99.8		9.9	99.9	99.9	160.0	100.0 100.6	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	95.1 98.1	99.1 99.1	99.2 99.2		99.8	99.8	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.1 90.1	99.1 99.1	99.2		99.8	99.8	6.6	99.9	99.9	100.0	100.0 100.0	100.0	120.0	100.0	160.0	100.0
≥ 100	98.1 98.1	99.1 99.1	99.2 99.2			99.8 99.8		99.9	99.9	100.0 100.0	100.U 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2078

USAF ETAC 121 64 G-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104 HILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		<del>"</del>					vis	r. • 513	ATUTE MIL	£5				* -		
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1:	≥1.	≥1	≥ ′₄	≥ .	≥.	≥ 5 16	≥ .	≥0
NO CEIENG ≥ 20000	65.0 71.1	55.1 71.2	65.3 71.4			71.4	71.4			65.3 71.4	65.3 71.4	•		65.3 71.4		
≥ 18000 ≥ 16000	71.8	71.8 73.9	72.0 74.0		72.1 74.1	72.1	72.1 74.1	72.1 74.1	72.1 74.1	72 • 1 74 • 1	72.1 74.1	72.1 74.1	72.1 74.1	72.1 74.1	72.1 74.1	72.1 74.1
≥ 14000 ≥ 12000	02.4 89.6	82.7	82.7	82.8 90.0		- 1					82.8			82.8 90.0		32.5 90.0
≥ 10000 ≥ 9000	93.8 95.5	94.0 95.8	94.2 96.0		94•2 96•1	95.1	76.1	94.3 96.1	94.3 96.1	94.3 94.1	94.3	94.3	94.3 96.1	94.3 96.1	94.3	94.3 76.1
≥ 8000 ≥ 7000	97.2 98.4	97.4 95.6		99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.8 99.0	99.0	99.0	97.0	99.0	99.0
≥ 6000 ≥ 5000	98.7 99.0	99.0 99.4		99.7			99,8	99.8	99.8	99.8		99.0	99.8		79.0	99.8
≥ 4500 ≥ 4000	99.1 99.1	99.4		99.7 99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9		9.9	99.0
≥ 3500 ≥ 3000	99.1	99.4			100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.n		107.0
≥ 2500 ≥ 2000	79.1 79.1	99.5	99.8	99.9	100.0	100.0	1იც.0 1იც.ს	100.0	100.0	100.0	100.U	100.0	100.0	100.7	100.0	107.7
≥ 1800 ≥ 1500	99.1 99.1	99.5		99.9	100.0	100.0	100.0	100.0	100.0	10r.n	100.0	100.0	100.0	100.0	170.0	100.0
≥ 1200	99.1	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	170.1	100.0
≥ 900	99.1	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	10n.n	100.0	10	100.0	100.1	100.0	100.0
≥ 700 ≥ 600	99.1	99.5		99.9	100.0	100.0	10.0 10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	<u>100.0</u>
≥ 500 ≥ 406	99.1	99.5	99.8 99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	107.0	170.0	100.0
≥ 300	99.1	99.5		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.U	100.7	100.0	100.0
≥ 100	99.1 99.1	99.5 99.5	99.8				100.0								- 1	

TOTAL NUMBER OF OBSERVATIONS

2308

DATA PRICESUIT 6 BRADCH USAH ETAC AIP MEATHER SERVICE/ IAC

### CEILING VERSUS VISIBILITY

VILLIANS AFE APIZUIA/CHA LULE 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							V.3	IBILITY STA	ATUTE MILI	ES .						
FEET	≥10	≥0	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥١,	≥1.	≥1	≥ ′₄	≥ ,	≥ :	≥5 16	≥ 4	≥0
NO CEILING	63.7 73.6		64.1			64.1 71.0			64.1			64.1	64.1 71.1	64.1 71.1		i :
≥ 18000 ≥ 16000	71.3	71.0	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.5		71.0	71,8	71.6	71.8
≥ 14000 ≥ 12000	91.4	81.7	92.0	82.0	82.0	02.0	F2.0		82.0 92.1		72.1	82.0 92.1	92.0			
≥ 10000 ≥ 9000	94.7	95.1 96.4	95.2	95.2 96.5	95.2	95.2	95.3	95.3	95.3	-	45.3		95.3 96.0		1 .	95.3 96.6
≥ 8000 ≥ 7000	97.3 93.0	97.7	97.3 98.6		1		98.0 95.7		98.0 98.7		90.3	90.0	98.0	93.7	98.0	99.0
≥ 6000 ≥ 5000	93.7 93.9	99.2 99.4	99.2 99.5		1 1	99.3 99.5			99.4 99.6		99.0				1 .	
≥ 4500 ≥ 4000	90.9	99.5	99.5 99.6	99.5 99.6	99.6	99.6	99.7	99.7	99.7 99.7	99.7	99.7	99.7		57.8	99.3	
≥ 3500 ≥ 3000	99.0	99.6	99.0 99.6	99.6		99.7	99.8	99.7 99.8		99.8		99.1	99.9	99.9	99.9	97.9
≥ 2500 ≥ 2000	99•1 99•1	99.6	99.7				99.9	99.9	99.9	99.9	79.9		99.9	99.7	99.9	99.0
≥ 1800	99.1	99.6	99.7	99.7	99.7		99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9
≥ 1200	99.1			99.7	39.8	90.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0 100.0	100.0
≥ 900 ≥ 806	99.1 99.1		99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	90.9	100.0	100.1	100.U	100.0
≥ 600	99.1	99.6		99.7	99.8	99.8	19.9	99.9	99.9	99.9	99.9	90.0	100.0	100.0	100.0	100.0
2 500 2 400	99.1	99.5		99.7	99.8	99.8	99.9	99.7	99.9	99.9	99.9	90.0	100.0	100.0	100.0	100.0
· 300 -2 200	99.1	99.5	99.7	99.7	99.8	99.8	79.9	99.9		99.9	09.0	99.9	100.0	100.0	100.0	100.0
≥ 000	99.1 99.1	99.5		1 .	1			1							100.0	1

TOTAL NUMBER OF OBSERVATIONS

2790

DATA PRECESSI G RR/ CHUSAF ETAC AID MEATHER SERVIC./ AU

#### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUMA/CHAMBLER

42-74

6305-1100

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING ≥ 5 16 71.4 NO CEILING 71./ 71.7 71.7 71.7 71.7 71.7 71.7 71.7 71.7 71.7 71.7 71.7 71.7 71.7 > 20000 78.1 78.C 78.0 78.0 78.0 78.0 78.1 78.1 76.1 78.1 78.1 78.1 78.1 ≥ 18000 ≥ 15000 79.1 79.1 79.1 79.1 79.1 79.1 79.1 19.1 79.1 79.1 77.1 79.1 79.2 81.8 81.8 81.6 81.3 81.3 53.8 81.8 31.8 81.6 81.8 ≥ 14000 88.1 63.1 88.1 06.1 88.1 88.1 88.1 88.1 88.1 87.7 88.1 88.1 88.1 88.1 33.1 ≥ 12000 94.3 95.2 95.2 75.2 95.2 95.2 95.2 2.2 95.2 95.2 95.2 05.2 97.4 97.4 97.4 97.4 97.4 97.4 98.0 98.0 98.1 98.1 98.1 98.1 97.4 97.4 97.4 97.4 97.5 77.4 97.4 ≥ 9000 97.1 97.7 98.0 98.0 98.0 96.1 98.1 98.1 90.1 ≥ 8000 ≥ 7000 98.5 98.6 98.6 98.6 78.6 98.6 98.6 98.6 98.6 98.0 98.6 98.6 98.7 90.1 78.3 99.1 99.0 99.0 99.1 99.1 79.1 99.1 99.1 99.1 99.1 99.1 99.0 99.0 99.4 99.4 99.5 90.5 ≥ 6000 ≥ 5000 99.4 99.4 79.5 99.5 99.5 99.5 99.5 99.5 99.5 99.4 99.9 99.9 99.7 99.8 39.1 19.8 99.8 99.8 79.6 99.0 99.8 99.8 99.0 99.8 99. 99.3 94.8 97.2 79.9 99.9 99.7 ≥ 4500 ≥ 4000 99.8 99.3 99.9 99.9 99.9 99.9 99.7 99.7 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 90.0 99.4 99.9 ≥ 3500 ≥ 3000 99.9 99.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 ≥ 2500 ≥ 2000 99.9 99.9 99.9 99.9 99.3 99.9100.0100.0100.0 09.9 99.9 99.9100.0103.0100.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 97.9 99.9 99. 99.9[100.0[100.0[100.0] 1800 99.9 99.9 ≥ 1500 79.6 99.9 99.9 99. ≥ 1200 ≥ 1000 99.6 99.9 99.9 99.9 79.6 99.9 99.9 99.9 79.9 99.9 99.9100.0100.0100.0 99.9 99.9 99.9 99.0 19.9 99.9 99.9 99.9 800 99.6 99.9 99.6 99.9 99.9 99.9 99.9 700 600 99.0 99.3 59.9 99.9 400 99.6 99.9 99.9 99.9 99.6 99.9 99.9 99.9 <u>≥</u> 200 99.9 

TOTAL NUMBER OF OBSERVATIONS

2742

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PALCESSING BREACH USAF ETAC AIR VEATHER SERVICE PLACE

#### CEILING VERSUS VISIBILITY

HILLIAMS AFB APIZENA/CHAMULLA 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1202-1950

			_			VIS	IBILITY STA	atute Mil	E\$						;
≥10	≥6	≥5	≥4	≥ 3	<b>≥?</b> .	≥ 2	≥١.	≥1.	≥1	≥ ′₄	≥ ,	≥.	≥5 16	≥ .	≥0
				-	₫7.c	81.0		-	87.0	37.0		87.L	67.0	97.1	87.n
87.2 35.1	57.5 39.4		89.4	39.4	ರ೧.4	39.4	89.4	89.4	89.4	80.4	89.4	39.4	80.4	79.4	37.5
92.5	52.3 96.7	92.5 96.7	96.7	76."	96.7	96.7	96.7	90.7	94.7	°0.7	90.7	96.7	94.7	96.7	15.7
98.1	94.5	98.5	98.5	98.5	93.5	ಿಕ್ಕಿ5	98.5	98.5	98.5	95.3	99.5	90.5	94.5	78.5	91.5
५०•४	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	09.3	99.3	99.3	99.3	99.3	90.3
99.4	99.1	99.₺	99.8	99.8	99.8	09.9	99.9	99.9	99.9	99.9	97.5	99.9	90.0	99.9	99.0
99.4	99.3	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.7	99.9	99.9	99.9	33.3
99.4	99.	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	<u>زد ۱۸۵۰</u>	10e • ^	100.0	100.0	100.)	100.0
99.4	99.	99.8	99.8	99.9	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	137.0
99.4	99.8	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.0	100.0	100.0	100.0	100.0	100.0	102.7
99.5															
99.5	99.9	99.9			99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	99.9	99.9	79.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	107.0	100.0	100.0
99.5	99.)	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	59.9	99.9	99.9	99.9	29.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	79.8 86.0 87.2 39.1 92.5 90.3 97.7 90.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.5 99.5 99.5 99.5 99.5	79.8 d 1.1 86.0 P0.9 87.2 07.5 39.1 29.4 92.5 92.3 90.3 96.7 97.7 03.1 93.1 94.5 90.8 99.2 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.4 99.3 99.5 99.9 99.5 99.9 99.5 99.9 99.5 99.9	79.8 d 1.1 50.1 86.9 87.2 07.5 67.5 67.5 99.4 39.4 99.6 98.8 99.4 99.4 99.6 99.4 99.4 99.4 99.4 99.4	79.8 d 1 80.1 80.1 80.1 86.0 85.9 87.2 97.5 87.5 87.5 87.5 87.5 87.5 87.1 29.4 39.4 89.4 92.5 92.6 92.6 92.6 92.6 92.6 92.6 92.6 92.6	79.5 d.1 50.1 80.1 80.1 80.1 86.0 80.0 80.0 36.9 86.9 87.5 87.5 87.5 87.5 87.5 87.5 87.5 87.5	79.5 d.1 50.1 80.1 50.1 c.1 c.1 86.6 80.9 36.9 87.0 d.7.5 87.2 c.7.5 87.5 87.5 67.5 c.7.5 69.1 c.9.1 c	≥10         ≥6         ≥3         ≥4         ≥3         ≥2.         ≥2           79.5         d·1         60.1         80.1         80.1         80.1         60.1	≥10         ≥6         ≥3         ≥4         ≥3         ≥7         ≥7         ≥1           79.5         d·1         60.1         80.1         80.1         60.1         60.1         80.1         60.1         60.1         80.1         60.1         80.1         60.1         80.1         60.1         80.1         98.9         98.9         99.9         99.9         99.9         99.9         99.9         99.9         99.9         99.9         99.9         99.9	210         26         25         24         23         27         27         21         21           79.8         d.1         60.1         80.1         80.1         60.7         60.7         60.7         90.7 <t< th=""><th>79.8 d 1</th><th>  210   26   25   24   23   27   27   21   21   21   24   27   27   28   28   28   28   28   28</th><th>  210   26   25   24   23   27   27   21   21   21   24   2</th><th>  210   26   25   24   23   27   21   21   21   21   22   2</th><th>210</th><th>  20</th></t<>	79.8 d 1	210   26   25   24   23   27   27   21   21   21   24   27   27   28   28   28   28   28   28	210   26   25   24   23   27   27   21   21   21   24   2	210   26   25   24   23   27   21   21   21   21   22   2	210	20

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING					<del></del>		VISI	BILITY TA	ATUTE MILI	ES <sub>1</sub>						
FEET	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	21 4	≥ı	≥ \₁	≥,•	≥ 5	≥5 16	≥ %	≥0
NO CEITINC	76.1 86.5	76.2 36.7	76.2 86.8	76.2 86.8	76.2 86.8	76.2 86.8	76.3 86.8	76.3 86.8	76.3 86.8	76.3 86.8	76.3 86.8	76.3 86.8		76.3 86.8	76.3 86.8	
≥ 18000 ≥ 16000	87.4 89.0	87.5 89.1	87.6 89.2	87.6 89.2	87.5 89.2	87.6 69.2	87.6 89.2	87.6 89.2	87.6 89.2	87.6		87.6 89.2	87.6 89.2	87.6 89.2	87.6 89.2	
≥ 14000 ≥ 12000	92.4 95.8	92.6 96.0		92.7 96.1	92.7	92.7 96.1	92.7 96.1	92.7	92.7	92.7 96.2	92.7 96.2	92.7 96.2	92.7 96.2	92.7	92.8	
≥ 10000 ≥ 9000	97.1 97.5	97.4 97.8	97.5 97.9	97.5 97.9	97.5 97.9	97.5	97.5 98.0	97.6 98.0	97.6 98.0	97.6 98.0	97.6	97.6 98.0	97.7	97.7 98.1	97.7 98.1	97.7 98 2
≥ 8000 ≥ 7000	98.0 98.4	98.3 98.7		98.4 98.9	98.5 98.9	98.5 98.9	98.5 98.9	98.5 99.0	98.5 99.0	98.5	98.6	98.6	98.6	98.6	98.7 99.2	98.8
≥ 6000 ≥ 5000	98.7 99.0	99.1 99.4	99.2 99.5	99.3		99.3	99.3	99.4 99.7	99.4 99.7	99.4	99.4	99.4 99.7	99.5 99.8	99.5 99.8	99.6	99.9
≥ 4500 ≥ 4000	99.0 99.0	99.4		99.6 99.6	99.6 99.6			99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8	99.9 99.9	
≥ 3560 ≥ 3000	99.0 99.0	99.4	99.5 99.6	99.6 99.6			99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.8	99.7 99.8		99.8 99.8	99.9	99.9 100.0
≥ 2500 ≥ 2000	99.0 99.0	99.4	99.6 99.6	99.6 99.6		99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.3 99.8		100.0 100.0
≥ 1800 ≥ 1500	99.0 99.0	99.4 99.4		99.6 99.6	99.6	99.6	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	-		79.9	100.0 100.0
≥ 1200 ≥ 1000	99.0 99.0				39.6	99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8			99.8 99.8	99.9	100.0 100.0
≥ 900 ≥ 800	99.0 99.0	99.4			99.6	99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8		99.8		99.9	100.0 100.0
≥ 700 ≥ 600	99.0 99.0			99.6	99.6	59.6	99.7	99.7	99.7 99.7	99.7 99.7	99.8	99.8 99.8			99.9	100.0 100.0
≥ 500 ≥ 400	99.0 99.0	99.4	99.6			99.6		99.7 99.7	99.7	99.7 99.7					99.9	100.0 100.0
≥ 300 ≥ 200	99.0 99.0			99.6	99.6		99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7		99.8 99.8	99.8		100.0	100.0 100.0
≥ 100 ≥ 0	99.0	99.4						99.7 99.7	99•7 99•7	99.7 99.7	99.8 99.8					100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM, ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VISI	BILITY (ST	ATUTE MILI	ES;						
(FEET:	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥2	≥1%	≥1%	21	≥ 34	≥%	≥ /3	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	59.7 74.0	59.8 74.4	1		60.0 74.7	74.7	60.0 74.7		74.7	74.8	74.8	60.0 74.8	60.0 74.9		60.0 74.9	
≥ 18000 ≥ 16000	74.7 76.7	75.1 77.2	75.3 77.3	75.3 77.3	75.4 77.4		75.5 77.5	75.5 77.5	75 • 5 77 • 5	75.6 77.7	75.6 77.7	75.6 77.7	75.6 77.7	75.6 77.7	75.7 77.8	75.7 77.8
≥ 14000 ≥ 12000	82.0 88.6	82.6 89.3	89.4			89.6	89.8		83.1 89.8	83.2 90.0		83.2 90.0	90.1	83.4 90.1	83.5 90.2	90.2
≥ 10000	90.8		92.5	92.6		92.9	93.0		93.1	92.3	93.3		93.2		92.6	93.6
≥ 8000 ≥ 7000	93.4		96.1	94.7	95.1		95.3	97.2	95.4	95.8 97.5	97.6	95.8 97.6	97.9			
≥ 6000 ≥ 5000	95.7	96.8 97.1	97,5			98.2	98.4		98.2 98.6		99.0	98.7	99.3	99.3	99.2	99.6
≥ 4°00 ≥ 4000	96.0	97.2 97.2		37.8	98.3	98.4	98.5 98.5	98.8	98.8	99.0 99.1	99.2	99.1	99.4	99.4	99.0	99.8
≥ 3500 ≥ 3000	96.0	97.2	97.6	97.8	96.4	98.4	98.6	98.8	98.8			99.2	99.5	99.5	99.7	99.8
≥ 2500 ≥ 2000	96.0		97.6 97.6	97.8	98.4	98,4	98.6 98.6	98.8		99.1	99.2	99.2	99.5	99.5	99.7	99.8
≥ 1800 ≥ 1500	96.0	97.2			98,4	98.4	98.6	98.8	98.8	99.1			99.5	99.5		
≥ 1200	96.0	97.2		97.8	98.4			98.8	98.8	99.2		99.3		99.6	99.8	99.9
≥ 900 ≟ 800	<del></del>	97.2	97.6		98.4	98.4	98.6		98.8	99.2		99.3	99.6	99.6	99.8	99.9
≥ 700 ≥ 600	96.0	97.2	97.6	97.8	98.4	98.4	98.6		98.8	99.2	99.3		99.6		99.8	99.9
≥ 500 ≥ 400	96.0	97.2	97.6	97.8	98.4	98.4	98.6	98.8	98.8	99.2	99.3	99.3	99.0	99.6		99.9
≥ 300 ≥ 200	96.0	97.2	97.6	97.8	98.4	98.4	98.6	98.8	98.8	99.2		99.3	99.6	99.6	99.0	99,9
≥ 100 ≥ 0	96.0			97.8 97.8	98.4 98.4		98.6 98.6			99.2 99.2		99.3 99.3	- 1			99.9 100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC 101.64 0-14-5 (GL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

### CEILING VERSUS VISIBILITY

23104

C

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥2	≥1%	≥14	≥1	≥¾	≥ 3/8	≥ 1/2	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	60.8 71.4	61.1 71.7	61.2 71.9			61.4 72.1	61.4	61.4 72.1	61.4 72.1	61.4	61.5	61.5	61.5	61.5		
≥ 18000 ≥ 16000	72.1 73.6	72.5 74.0	72.6 74.1	72.6 74.1	72.8		72.9	72.9	72.9 74.3	73.0	73.0 74.5	73.0	73.1	73.1 74.5	73.1	73.1
≥ 14000 ≥ 12000	80.1 86.5	80.6 87.0		80.8 87.2	81.0		81.0	81.0 87.6	81.0	81.1	81.2	81.2 87.7	81.2 87.9	81.2 87.9	81.2	81.2
≥ 10000 ≥ 9000	89.5 91.0	90.1 91.6	90.5		90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.1 92.7	91.1	91.1	
≥ 8000 ≥ 7000	93.9 95.2	94.8	95 • 1 96 • 8	95.2	95.6 97.2	95.6 97.2	95.7		95.7	96.0	96.1 97.7	96.1 97.7	96.4 98.0	96.4	96.4	96.4
≥ 6000 ≥ 5000	95.7 96.4	96.9 97.7	97.4 98.2		97.8 98.6	97.8 98.6	97.9	98.0 98.8	98.0	98.3	98.4 99.3	98.4	98.7	98.7 99.5	98.7 99.5	98.7
≥ 4500 ≥ 4000	96.4 96.4	97.3	98.2 98.2	98.3	98.7 98.7	98.7	98.8	98.8	98.9	99.1	99.3	99.3	99.6	99.6	99.6	99.6
≥ 3500 ≥ 3000	96 • 4 90 • 4	97.8 97.9	98.2 98.3	98.3	98.7 98.8	98.7 98.8	98.8	98.8	98.9	99.1	99.3	99.3	99.6	99.6	99.0	99.6
≥ 2500 ≥ 2000	96.4	97.9 97.9	98.3 98.3	98.4	98.8	98.8 98.8	98.9	99.0	99.0	99.3	99.4	99.4	99.7	99.7	99.7	99.7
≥ 1800 ≥ 1500	96.4	97.9 97.9	98.3 98.3	98.4	98.8 98.8	98.8 98.8	98.9	99.0		99.3		99.4	99.7	99.7	99.7	99.7 99.8
≥ 1200 ≥ 1000	96.4	97.9 97.9	98.3 98.3	98.4	98.8	98.8 98.8	99.0	99.0	99.1 99.1	99.3	99,5		99.8	99.8	99.8	99.8
≥ 900 ≥ 800	96.4 96.4	97.9	98.3	98.4	98.8 98.8	98.8	99.0	99.0	99.1 99.1	99.3	99	7.5	99.8	99.8	99.8	99.8
≥ 700 ≥ 600	96.4 96.4	97.9 97.9	98.3 98.3	98.4 98.4	98.8	99.8	99.0	99.0	99.1 99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	96.4	97.9	98.3	98.4	98.8 98.8	98.8	99.0	99.0	99.1 99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8
≥ 300 ≥ 200	96.4 96.4	97.9 97.9	98.3	98,4 98.4	98.8	98.8	99.0	99.0	99.1	99.3	99.5	99.5	99.8	99.8	99.8 99.8	99.8
≥ 100 ≥ 0	96.4 96.4	97.9 97.9	- 1	98.4 98.5	98.8	98.8	90.0		99.1 99.1	99.3	99.5	99.5	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS\_

2423

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS SOLITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER 42-60,63-65,70-71,73-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							ViSi	BILITY (STA	ATUTE MILI	ES)						1
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ¾	≥¾	≥%	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	68.9 75.1	69.2 75.5	69.2 75.5	69.2 75.5	69.2 75.6	69.2 75.6	69.2 75.6	69.2 75.6	69.2 75.6	69.2	69.2 75.6	69.2 75.6	69.2 75.6	69.2 75.6		
≥ 18900 ≥ 16000	75.7 77.6	76.0 78.0	76.0 78.0	76.1 78.0	76.1 78.1	76.1 78.1	76.1 78.1	76.1 78.1	76.1 78.1	76,1 78,1	76.1 78.1	76.1 73.1	76.1 78.1	76.1 78.1	76.1 78.1	76.1 78.1
≥ 14000 ≥ 12000	83.1 88.9	83.5	83.6 89.4		83.6 89.5	83.6 89.5	83.6	83.6 89.5	83.6 89.5		83.6 89.5		83.6 89.5	83.6 89.5		
≥ 10000 ≥ 9000	91.0 93.6		92.3	92.4	92.4	92.4 94.2	92.4	92.4	92.4	1	92.4	92.4	92.4	92.4 94.3	92.4 94.3	
≥ 8000 ≥ 7000	95.4 96.5	95.9 97.1	95.9 97.1	96.0 97.2	96.1 97.3	96.1 97.3		96.1 97.3	96.1 97.3			96.1			96.2 97.4	
≥ 6000 ≥ 5000	97.7 98.0	98.3 98.6		98.5 98.8	98.5 99.0			98.5 99.1	98.5 99.1						99.2	99.2
≥ 4500 ≥ 4000	98.3 98.5		99.3	99.4		99.6	99.6		99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500 ≥ 3000	96.5 98.5				99.6 99.6			99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500 ≥ 2000	98.5 98.5	99.2	99.3	99.4	99.7	99.7	99.7	99.8 99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	98.5 98.5	99.2		99.4	99.7 99.7	99.7		99.8 99.8		99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	98.5 98.5	99.2		99.4	99.7 99.7			99.8 99.8		99.9	99.9	99.9	99.9	99.9	99.9 100.0	100.0
≥ 900 ≥ 800	98.5 98.5	99.2		99.4		99.7 99.7	99.7 99.7	99.8		99.9				99.9	100.0 100.0	100.0
≥ 700 ≥ 600	98.5 98.5	99.2	99.3	99.4	99.7	99.7 99.7	99.7 99.7	99.8	99.8 99.8	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0
≥ 500 ≥ 400	98.5 98.5	99.2	99.3	99.5	99.8		99.8		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	98.5 98.5	99.2	99.3	99.5		99.8	99.8		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.5 98.5			99.5 99.5			99.8	99.9	1		- 1		-	1		100.0

TOTAL NUMBER OF OBSERVATIONS...

2067

USAF ETAC JUL 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS ((ST)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CFILING ≥ 20000	72.9 77.8	77.9	77.9	73.1 77.9		73.1 77.9	73.1 77.9	73.1 77.9	73.1 77.9	73.1 77.9		73.1 77.9	73.1 77.9		73.1 77.9	
≥ 18000 ≥ 16000	78.1 79.9		86.1	78.3 80.1	80.1	78.3 80.1	78.3 80.1	78.3 80.1	78.3 80.1	78.3 80.1	80.1	78.3 80.1	78.3 90.1	80.1	78.3 80.1	78.3 80.1
≥ 14000 ≥ 12000	86.0 91.6	91.8	91.8		91.8	86.3 91.8			86.3 91.8	91.8	91.8	86.3 91.8		91.8	91.8	91.8
≥ 10000 ≥ 9000	93.5	95.2	95.2	95.2	95.2	93.8	93.8		93.8 95.2	93.8 95.2	95.2	93.8 95.2	93.8	95.2		93.8
≥ 8000 ≥ 7000	95.9	97.6	97.7			96.4		96.4	96.4	96.4		96.4	96.4	96.4	97.7	
≥ 6000 ≥ 5000	97.8	99.0	99.1	98.3	98.3 99.1	98.3	98.3	98.3	98.3 99.1	98.3	98.3 99.1	98.3	98.4	98.4	99.2	98.4
≥ 4500 ≥ 4000	98.8 99.1 99.1	99.2 99.6 99.6	99.7		99.4 99.7 99.7	99.4 99.7 99.7	99.4 99.7	99.4 99.7	99.4	99.4	99.7	99.4 99.7	99.4 99.7 99.8	99.4 99.7 99.8	99.8	
≥ 3500 ≥ 3000 ≥ 2500	99.1	99.6		99.7	99.7	99.7	99.7 99.7	99.7	99.7 99.7	99.7 99.7		99.7	99.8	99.8		99.8
≥ 2000 ≥ 2000 ≥ 1800	99.1	99.7		99.9	99.9			99.9		99.9	99.9		99.9	99.9	100.0	100.0
≥ 1500 ≥ 1500	99.1	99.7	99.8	99.9	99.9		99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 1000	99.1	99.7		99.9	99.9		99.9	99.9		99.9	99.9	99.9		99.9	100.0	100.0
≥ 800	99.1	99.7	99.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	99.1	99.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	99.1	99.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	100.0	100.0	100.0	100.0
و چ	99.1			99.9												100.0

TOTAL NUMBER OF OBSERVATIONS 2334

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCRETE

## CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

AUG

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			_				VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥ 2	≥1%	≥14	≥ì	≥ ¾	≥%	≥ ½	≥ 5/16	≥¼	≥c
NO CEILING	69.0 75.5	69.1 75.7	69.2 75.8	69.2 75.9		69.3 75.9			69.3 76.0		69.3	69.3				
≥ 18000 ≥ 16000	76.2 78.1	76.3 78.2	76.5	76.5	76.6	76.6	76.6	76.6 78.5	76.6	76.6	76.6	76.6 78.5	76.6	76.6	76.6	76.6
≥ 14000 ≥ 12000	83.8	~ , • ,,	84.1	84.2	84.2	84.2	84.3	84.3	84.3 91.1		84.3 91.1	84.3	84.3	78.5 84.3		84.3
≥ 10000 ≥ 9006	93.5	93.7	93.8	93.9		94.0	94.0	94.0	94.0	94.0	94.0					
≥ 8000 ≥ 7000	96.0 97.1	96.2 97.4	96.4	96.5	96.6 97.8	96,6	96.6	96.6	96.6	96.6		96.6	96.6	96.6	96.6	
≥ 6000 ≥ 5000	97.6 98.2	97.8 98.5	98.2	98.2	98.3 99.1			98.4	98.4 99.1		98.4	98.4	97.8	98.4	98.4	97.8
≥ 4500 ≥ 4000	98.3 98.4	98.6 98.8	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.1 99.3 99.4	99.3		99.3	99.1	99.3
≥ 3500 ≥ 3000	98.5 98.6	98.9 99.0	99.3	99.4	99.5		99.5		99.5	99.5	99.5	99.4		99.5	99.4	99.4
≥ 2500 ≥ 2000	98.7 98.7	99.1	99.5	99.6	99.7 99.7		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.7	99.7	99.8
≥ 1800 ≥ 1500	98.7 98.7	99.1	99.5	99.6	99.7 99.8	99.7	99.8	99.8	99.8	99.8	99.8	39.8 39.8	99.8	99.8	99.8	99.8
≥ 1200 ≥ 1000	98.7 98.7	99.1	99.6	99.7	99.8 99.8	99.8	99.9	99.0	99.9	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800	98.7 98.7	99.1	99.6	99.7	99.8		99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9
≥ 700 ≥ 600	98.7 98.7	99.1	99.6	99.7	99.8	99.8	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	98.7	99.1 99.2	99.6		99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	
≥ 300 ≥ 200	_	99.2	99.6		99.8	99.8	99.9	99.9	99.91	00.01	00.01	00.01	00.01	00 - Cl	00.01	99.9
≥ 100 ≥ 0		99.2 99.2	99.6	99.7	99.9	99.9		.00 • OH	. OO • OH	00.01	.00 - 011	OO = OII	00.01	വരംവി	nn nii	00.0

TOTAL NUMBER OF OBSERVATIONS\_\_

USAF ETAC JUL 64 0-14-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER 42-74

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING		— <u>—</u>					VIS	BILITY (ST.	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥1/4	≥1	≥ 1/4	≥ ¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	76.6 81.3	76.9 81.5		76.9 81.6		81.6		81.6	76.9 81.6	81.6	81.6		81.6	81.6	81.6	
≥ 16000 ≥ 16000	82.4 83.7	82.6			82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1		82.7 84.1	82.7 84.1	82.7 84.1	82.7 34.1
≥ 14000	98.8	89.1 94.5												89.2 94.7		94.7
≥ 9000	96.6					97.0	97.0	97.0			97.0	96.6			97.0	
≥ 8000 ≥ 7000	97.3 98.1	97.6 98.4	98.5		98.6		98.6	98.6		98.6	98.6		97.8 98.6		98.6	98.6
≥ 6000 ≥ 5000	98.8 98.8	98,8			99.4	99.4	99.4	99.4		99.4	99.4	99.0 99.4	99.4	99.4	99.4	
≥ 4500 ≥ 4000 ≥ 3500	98.9	99.2 99.3	99.4	99.4 99.5	99.5	99.5	99.5 99.5	99.5	99.5 99.5		99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5	99.5
≥ 3000 ≥ 3000 ≥ 2500	99.0	99.4	99.4	99.6	99.6	99.6					99.6		99.6		99.6	
≥ 2000	99.1	- 1	99.6	99.7		99.7	99.7	99.7			99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500 ≥ 1200	99.1		99.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9
≥ 1000	99.2	99.6	99.7		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.2	99.6	99.7	99.8	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9		99.9	99,9
≥ 600	99.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
≥ 400	99.2		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0
≥ 100 ≥ 0	99.2															100.0

TOTAL NUMBER OF OBSERVATIONS 3042

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (STA	TUTE MIL	ES)						
·FEET,	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥۱	≥ ¾	≥%	≥%	≥ 5/16	≥14	≥0
NO CEILING ≥ 20000	81.9 87.9	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1	82.1 88.1
≥ 18000 ≥ 16000	88.7 89.8	88.9 89.9	88.9	88.9 89.9	88.9 89.9	88.9 89.9	88.9 89.9	88.9 89.9	88.9	88.9 89.9	88.9 89.9	88.9 89.9		88.9 89.9	88.9 89.9	88.9 89.9
≥ 14000 ≥ 12000	92.7 95.9	92.8 96.0	92.8 96.0	92.8 96.0	92.8 96.0	92.8 96.0	92.8 96.0	92.8 96.0	92.8 96.0		92.8 96.0	-			92.8 96.0	92.8 96.0
≥ 10000 ≥ 9000	97.2 97.6	97.3 97.8	[			97.8	97.8	- 1		97.8	97.3 97.8			97.3 97.8		
≥ 8000 ≥ 7000	97.9 98.4	98.6		98.2 98.6			98.6		98.2 98.6		98.2 98.6	98.6	98.6	98.6	98.6	98.6
≥ 6000 ≥ 5000	98.6 99.0			99.3	99.3	99.3	99.3	99.3	98.8 99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500 ≥ 4000	99.1 99.2	99.3 99.4			99.4	99,4	99.4	99.3 99.4	99.3 99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500 ≥ 3000	99.3	99.5 99.5	99.5 99.5	99.6		99.5 99.6	99.6	99.5 99.6	99.5 99.6	99.6	99.6	99.6	99.4	99.6	99.6	99.6
≥ 2500 ≥ 2000	99.4 99.5	99.6 99.7				99.7 99.8	99.8		99.7 99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	99.5	99.7 99.7	99.8	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	97.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	99.5	99.7	99.8			99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.5			99.9	99.9		99.9		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.5	99.7		99.9	99.9	99.9	99.9			99.9	100.0	100.0	100.0 100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.5	99.7	99.8	99.9	99.9	99.9	99.3	99.9	99.9	9,9.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.5				1			99.9 99.9					100.0			100.0 100.0

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OTAL NUMBER OF OBSERVATIONS 3032

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FLOW ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

AUG

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1½	≥1¼	2.1	≥ 1/4	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	77.9 88.5	78.0 88.6	78.0 88.6			78.0 38.6	78.0 88.6	78.0 88.6	78.0 88.6			78.0 88.7	78.0 88.7	78.0 88.7	78.0 88.8	
≥ 18000 ≥ 16000	88.7 89.4	88.8 89.5	88.9 89.5	88.9 89.5		88.9	68.9 89.5	88.9 89.5	88.9 89.5		88.9 89.6	88.9 89.6	88.9 89.6		39.0 89.7	89•0 89•7
≥ 14000 ≥ 12000	91.5 94.7	91.6 94.8	91.7 94.9	91.7 94.9	91.7 95.0		91.7 95.0	91.7 95.0	91.7 95.0	91.7 95.0	91.8 95.0	91.8 95.0	91.8 95.1	91.8 95.1	91.9 95.1	91.9 95.1
≥ 10000 ≥ 9000	95.5 96.0	96.2	95.7 96.2		96.3		95.9 96.4		95.9 96.4		95.9 96.4	95.9 96.4	96.0 96.5	96.5	96.6	
≥ 8000 ≥ 7000	97.0 97.4	97.7	97.3 97.8	97.8	97.9	97.4 97.9	97.5 98.0	97.5 98.0	97.5 98.0		97.6 98.2	97.6 98.2	98.2	97.7 98.2	97.8 98.3	98.3
≥ 6000 ≥ 5000	97.9 98.4	98 • 1 98 • 7	98.2 98.7		98.8	98.3 98.8		98.4 99.0	98.4 99.0		98.6 99.2	98.6 99.2	98.7 99.3	99.3	98.8 99.4	99.4
\$\\ \frac{4500}{4000}	98.4 98.5	98.7 98.7	98.7 98.8		98.9	98.8 98.9		99.0 99.0	99.0 99.0		99.3	99.2 99.3				99.5
≥ 3500 ≥ 3500	98.5 98.6			98.9	99.0	98.9 99.0		99.1 99.1	99.1 99.1	99.2	99.4	99.4	99•4 99•5	99.4 99.5	99.6	99.6
≥ 25C0 ≥ 200C	98.7 98.7	98.9 99.0		99.1	99.2	99.1	99.3	99.3	99.3	99.4	99.6	99.5	99.7	99.7	99.7 99.8	99.8
≥ 1800 ≥ 1500	98.7 98.7	99.0		99.1 99.1	99•2 99•2	99.2 99.2	99.3	99.3	99.3 99.3	99.4	99.6	99.6	99.7	99.7	99.8 99.8	99.8
≥ 1200	98.7		99.1	99.1 99.1		99.2 99.2	99.4	99.4	99.4	99.5	99.6		99.7	99.7	99.8 99.8	99.8
≥ 900 ≥ 800	98.7 98.7		99.1	99.1 59.1	99.2	99.2 99.2		99.4	99.4	99.5	99.6		99.7	99.7 99.7	99.8 99.8	99.8
≥ 700 ≥ 600	98.7 98.7	99.0			99.2	99.2 99.2		99.4	99.4	99.5	99.6		99.7		99.8	99.8
≥ 500 ≥ 400	98.7 98.7	99.0 99.0	99.1 99.1		99.2	99.2	99.4	99.4	99.4	99.5	99.6		99.7		99.8 99.8	
≥ 300 ≥ 200	98.7 98.7	99.0	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.9	
≥ 100	98.7 98.7	99.0		99.1 99.1	99.3	99.3		99.4	99.4 79.4			99.7 99.7	99.8 99.8			99.9 100.0

TOTAL NUMBER OF DESERVATIONS 294

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (STA	ATUTE MILE	E5'			*******			
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥215	≥2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥%	≥5′16	≥ ¼	≥0
NO CEILING ≥ 20000	61.0 76.3	61.1 76.5	61.1 76.7	76.8	61.2 76.8	61.2 76.8	61.3				61.3 77.0			61.3 77.1	61.3 77.1	61.3 77.1
≥ 18000 ≥ 16000	77.9	77.3 78.2	78.3		77.5 78.4	77.5 78.4	77.7 78.6		77.7 78.6	77.8 78.7	77.8 78.7	77.8 78.7	77.9 78.8	77.9 78.8	77.9 78.8	
≥ 14000 ≥ 12000	82.5 88.2	82.8		88.8			89.2		83.3	83.4 89.3			83.5 89.5	83.5 89.5	83.5	
≥ 10000 ≥ 9000	90.0	90.3	91.6	91.8			92.2	92.3				92.5			91.6 92.7	91.7
≥ 8000 ≥ 7000	93.7	94.2		95.8			96.4				95.4 96.7	96.7			95.7 97.1	95.8
≥ 6000 ≥ 5000	95.5	96.0		97.4		97.1 97.9	98.2	98.3				98.8	98 • 2 99 • 1	98.2 99.1	98.4	
≥ 4500 ≥ 4000 ≥ 3500	96.0 96.1	96.8 96.8				97.9 98.0	98.4					99.0		99.1 99.2 99.2	99.4 99.5	
≥ 3500 ≥ 3000 ≥ 2500	96.1 96.2	96.8	97.4	97.6		98.1 98.1 98.1	98.4 98.4 98.5	98.5 98.5	98.5 98.5 98.6	98.9	99.0	99.0		99.3	99.5	99.0
≥ 2000	96.2			97.8	98.2		98.6		98.7	99.0	99.1	99.2	99.4	99.4	99.7	99.8
≥ 1500	96.2		97.6	97.8	98.2	98.2	98.6	98.7	98.7	99.0	99.1	99.2		99.4	99.7	
≥ 1000	96.2		97.6	97.8	98.3	- 1	98.6	98.7	98.7		99.2	99.2	_	99.5	99.7 99.7	99.8
≥ 800 ≥ 700	96.2	96.9	97.6		98.3	98.3	98.6	98.7	98.7	99.1		99.2	99.5	99.5	99.7	99.8
≥ 600	96.2		97.6	97.8	98.3	98.3	98,6	98.7	98.7 98.7	99.1 99.1	99.2	99.2		99.5	99.7	
≥ 500 ≥ 400 ≥ 300	96.2					98.3	98.6	98.7	98.7	99.1	99.2	99.2	99.5		99.8	99.9
≥ 200	96.2	96.9	97.6	97.8		98.3	98.6	98.7	98.7	99.1		99.2	99.5	99.5	99.8	99.9
≥ 000	96.2			1	98.3				- 1		79.2				1	100.0

TOTAL NUMBER OF OBSERVATIONS

277

USAF ETAC 101 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			·····				VIS	BILITY (ST.	ATUTE MILE	ES)			<del></del>	, ,		
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1¼	≥ı	≥ 34	≥¾	≥%	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	66.0 75.3	66.3 75.7	66.4 75.9	66.5 75.9	66.5 76.0	66.5 76.0	66.6 76.0	66.6 76.0	66.6 76.0	66.6 76.0	66.6 76.∂	66.6 76.0	66.6 76.0		66.6 76.0	
≥ 18000 ≥ 16000	75.8 76.8	76.1 77.1	76.3 77.3		76.4 77.4	76.4 77.4	76.5 77.4	76.5 77.4	76.5 77.4		76.5 77.4	76.5 77.4	77.5	76.5 77.5	76.5 77.5	
≥ 14000 ≥ 12000	81.3	81.7 87.7	82.0 88.0		82.1	82.1 88.2	82.1 88.3		82.1 88.3	82.1	82.1 88.3	82.1 88.3		82.2		
≥ 10000	90.6 92.2	91.3	91.6	91.6		91.8	91.9	93.6		91.9		91.9	93.6		92.0	93.6
≥ 8000 ≥ 7000 ≥ 6000	93.8 95.5 96.6	94.7 96.6 97.7	95.0 96.9 98.0	95.0 97.0 98.1	95.3 97.3	95.3 97.3 98.5	95.4 97.4 98.6	97.4	95.4 97.4 98.6	95.4 97.4 98.6		95.4 97.4 98.6		95.5 97.5 98.8	95.5 97.5	97.5
≥ 5000 ≥ 4500	97.1 97.1	98.2	(	98.7	99.1	99.1	99.2	99.2	99.2	99.3		99.3	99.4			99.4
≥ 4000	97.2	98.3	98.7	98.8		99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	
≥ 3000	97.3	98.4		98.9 98.9		99.3	99.5	99.5	99.5	99.5	99.5	99.5		99.7	99.7	99.7
≥ 2000	97.3 97.3		98.9	99.0		99.5	99.6					99.6				
≥ 1500	97.3	98.4	99.0	99.1	99.5	99.5	99.7 99.7	99.7	99.7	99.7	99.7	99.7		99.9	99.9	99.9
≥ 1000 ≥ 900 ≥ 800	97.3	98.4	99.0	. –	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	97.3 97.3 97.3	98.4	99.0	99.1	99.5 99.5	99.5	99.7 99.7	99.7 99.7 99.7	99.7 99.7 99.7	99.7 99.7 99.7	99.7	99.7 99.7	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	97.3		99.0	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	97.3 97.3	98.4	99.0	99.1		99.5	99.7 99.7	99.7 99.7	99.7	99.7	99.7	99.7		99.9	99.9	99.9
≥ 100 ≥ 0	97.3 97.3	98.4 98.4			99.5 99.5		99.7 99.7	99.7 99.7	99•7 99•7	99.7 99.7		99.7 99.7	99.9			99.9 100.0

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZONA/CHANDLER 42-60,63-65,72-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (\$31)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥?	≥1%	≥1%	≥1	≥ ¾	≥ ¾	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	87.5 90.4	87.6 90.4	87.6 90.4	1	87.6 90.4		1	87.6 90.4			1		87.6 90.4	87.6 99.4		87.6 90.4
≥ 18000 ≥ 16000	90.7 91.0	90.8 91.1	90.8 91.1	90.8 91.1	- 1	90.8 91.1	90.8	90.8 91.1		90.8 91.1	90.8 91.1	90.8	90.8 91.1	90.8 91.1	90.8	90.8
≥ 14000 ≥ 12000	93.9 95.7	-			1		1			93.9 95.8	93.9 95.8	93.9 95.0	93.9	93.9 95.8	,-	93.9 95.8
≥ 10000 ≥ 9000	96.6 97.1		96.7 97.2	96.7 97.2	96.7 97.2	97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2	96.7 97.2
≥ 8000 ≥ 7000	97.5 98.1	98.3	98.3	98.3			97.7 98.3	97.7 98.3		97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3	97.7 98.3
≥ 6000 ≥ 5000	98.8 99.3		99,2 99,6	99.8				99.8	99.8	99.3 99.8	99.3 99.8	99.3 99.8	99.3 99.8	99.3 99.8	99.8	99.3
≥ 4500 ≥ 4000	99.4 99.4			99.9		99.9	99.9	99.9	99.9	99.9	99.9 99.9		99.9		99.9	99.9
≥ 3500 ≥ 3000	99.4	99.7 99.7	99.8 99.8	99.9		99.9	99.9		99.9	99.9	99.9	99.9	99.9			99.9
≥ 2500 ≥ 2000	99.5 99.5	99.8 99.8	99.8	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.5 99.5	99.8 99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	Lon.o	100.0	100.0
≥ 1200	99.5		99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100•1	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.5		99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	lon.n	100.0	100.0
≥ 700 ≥ 600	99.5	99,8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5		99.8	100.0	100.0	100.0	100.0	100.0	100.0	190.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.5			100.0												

شام به الاستان المرافق علم ما المران والمعالية المران التي التي التي المرافق المرافق والمرافق المرافق المراجع ا المرابع المراك المرافق المرافق المرافق المرافق المرافق المرافق المرافق المرافق المرافق المرافق المرافق المرافق

USAF ETAC 1084 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23104

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WILLIAMS AFB ARIZONA/CHANDLER

42-74

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							Vis	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1½	≥11/4	≥ì	≥ ¾	≥%	≥%	≥ 5/16	≥14	≥0
NO CEILING ≥ 20000	88.4 89.5	88.4 89.5		88.4 89.6		88.4 89.6		88.4 89.6			88.4 89.6	88.4 89.6		88.4 89.6		88.5 89.6
≥ 18000 ≥ 16000	90.2 90.3		90.2 90.4								90.4	90.4	90.4	i 1		
≥ 14000 ≥ 12000	92.8 95.3			,		92.9 95.4		92.9 95.4	92.9 95.4		92.9 95.4	92.9 95.4		95.4	95.4	95.4
≥ 10000 ≥ 9000	96.7 97.2	97,3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000 ≥ 7000	97.7 98.2		98.3		98.3	98.3	98.3	98.3	98.3	98.3	97.8 98.3	98.3	98.3	98.3	98.3	98.3
≥ 6000 ≥ 5000	98.8 99.4	99.5	99.6		99.6	99.6				99.6	99.6		99.1			99.6
≥ 4500 ≥ 4000	99.5 99.6	99.7	99.8	99.7 99.8	99.8				99.7 99.8	99.8	99.8					99.9
≥ 3500 ≥ 3000	99.6	99.8	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	100.0	100.0
≥ 2500 ≥ 2000	99.7	99.9	100.0	100.0	100.0	100.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	100.0	100.0
≥ 900 ≥ 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.7	99.9	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.7		100.0													

TOTAL NUMBER OF OBSERVATIONS

2225

### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-0300 HOURS 131

CEILING							VIS	BILITY (STA	ATUTE MILE	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1¼	21	≥ ¾	≥%	≥%	≥ 5/16	≥ 1,4	≥0
NO CEILING ≥ 20000	84.3 85.6	84.3 86.6	84.3 86.6	84.3 86.6		84.3 86.6		84.3 86.6		84.3 86.6	_	84.3 85.6	84.4 86.7	84.4 86.7	84.4 86.7	
≥ 18000 ≥ 16000	80.9 87.4	86.9 87.5	87.0 87.5		- , 1			87.0 87.5				87.0 87.5	87.0 87.6		87.0 87.6	
≥ 1000 ≥ 12000	90.4 94.0		90.5	94.1	90.5	94.1		90.5	94.1	94.1	94.1	90.5 94.1	90.5	90.5 94.1	90.5 94.1	94.2
≥ 10000 ≥ 9000	96.0 96.7		96.8	96.8	96.8	96.8	96.8	96.8		96.8	96.8		96.1 96.9		96.1 96.9	96.9
≥ 8000 7000	97.3		98.0		98.0	98.0		98.0	98.0	98.0	98.0			98.0		98.1
_ 5000	98.5 99.1	98.6 99.3		99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	98.6		99.3	99.3	99.4
≥ 4500 ≥ 4000	99.4	99.5	99.6	99.6		99.6	99.6	99.6	99.6	99.6	99.6	99.4	99.4		99.6	99.7
≥ 3500 ≥ 3000	99.4 99.4	99.5 99.6		99.6	99.7	99.7	99.7	99.7	99.7	99.6	99.7	99.6	99.6 99.8	99.6	99.8	99.9
≥ 2500 ≥ 2000	99.4	99.6 99.6	99.6	99.6		99.7			99.7	99.7 99.7	99.7 99.7	99.7 99.7		99.8	99.8	99.9
≥ 1800 ≥ 1500	99.4		99.6	99.6	99.7	99.7	99.7	99.7	99.7 99.7	99.7	99.7	99.7		99.8	•	99.9
≥ 1200 ≥ 1000 ≥ 900	99.4	99.6	99.6	99.6		99.7	99.7		99.7	99.7		Į.			99.8	99.9
≥ 800	99.4					99.7		1	99.7	99.7	99.7		99.8			99.9
≥ 600	99.4	99.6	_ : • -		99.7	99.7	99.7		99.7	99.7	99.7	99.7	99.8	99.8		99.9
≥ 500 ≥ 400 ≥ 300	99.4	99.6	99.7	99.7	99.7 99.7	99.7	99.7	99.8		99.8	99.8	99.8	99.9	99.9	99.9	
≥ 200	99.4	99.6	99.7	99.7	99.7	99.7 99.8	99.7	99.8	99.8	99.8	99.8	99.8		99.9	99.9	99.9
≥ 10C ≥ 0	99.4				99.8		99.8									100.0

TOTAL NUMBER OF OBSERVATIONS 2707

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### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥1¼	≥1	≥ 34	≥⅓	≥ %	≥5 16	≥ ′4	≥0
NO CEILING ≥ 20000	85.3 87.9	85.7 88.2	85.7 88.3	85.7 88.3	85.7 88.3	85.7 88.3	85.7 88.3		88.3		85.7 88.3	85.7 88.3		85.7 88.3	85.7 88.3	85.7 88.3
≥ 18000 ≥ 16000	88.5 89.2	89.5		88.8 89.5		88.8 89.5	88.9 89.6								_	- 1
≥ 14000 ≥ 12000	91.4 94.5	94.8	94.9	91.7		94.9	94.9			94.9	94.9	91.8 95.0			_	
≥ 10000 ≥ 9000	95.7 96.2	96.5		96.1 96.6		96.1 96.6			96.1 96.6		96.6	96.2 96.6	96.6	96.6	96.2	
≥ 8000 ≥ 7000	97•2 97•7	98.0	98.0		97.5 98.0	97.5 98.0		97.5 98.1	97.5 98.1	98.1	98.1	97.6 93.1	98.1	98.1	98.1	98.1
≥ 6000 ≥ 5000	98.2 98.5	98.9	99.0			98.5 99.0		98.6 99.1	98.6 99.1	99.1	99.1	98.6 99.1	99.1	99.1	99.1	99.1
≥ 4500 ≥ 4000	98.6 98.8	99.3	99.4	99.1 99.4	99.1	99.1	99.5	99.2	99•2 99•5	99.5	99.5	99.2 99.5	99.5	97.5		99.5
≥ 3500 ≥ 3000	99.0	99.6	99.7	99.6 99.7			99.8		99.7 99.8	99.8			99.9	99.9		99.9
≥ 2500 ≥ 2000	99.2 99.2	99.7	99.8	99.7 99.8		99.8				99.9	99.9		100.0	100.0		100.0
≥ 1800 ≥ 1500	99.3	99.7		99.8		99.9	99.9		99.9	100.0	100.0 100.0	100.0	190.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.3	99.7		99.8 99.8	99.9	99.9	99.9		99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.3	100.0
≥ y00 ≥ 800	99.3	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.3	99.7				95.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.7	100.0	100.0
≥ 500 ≥ 400	99.3	99.7		99.3				99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.7	99.8	99.8	99.9		99.9	99.9	99.9	10C.0		100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.3 99.3					99.9					100.0 100.0					

TOTAL NUMBER OF OBSERVATIONS 289

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2902

CEILING				-			VISI	BILITY (STA	ATUTE MILI	ES)						
+fEET+	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥2	≥1%	≥וי.	≥1	≥ 1,4	≥ >*	≥ ⅓	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	84.6		85.1 89.0	85.2 89.0	85.2 89.1	85.2 89.1	85.2	85.2 89.1	65.2 89.1	85.2 89.1	85.2	85.2	85.2 89.1	85.2 89.1	85.2 89.1	85.2 87.1
≥ 18000 ≥ 16000	89.0	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	99.7	89.7
≥ 14000	89.6 91.2	91.7	91.7	90.1	91.8	91.8		90.2	90.2		90.2	90.2	90.2	90.7	,	90.2
≥ 12000	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.7		
≥ 9000	95.5			96.9	96.1	96.2 96.9	96.2	96.2	96.2	96.2	96.2	96.7	96.2	96.9	76.2 97.0	96.3
≥ 8000 ≥ 7000	97.1	97,7	97.7		97.8	97.9	97.9	97.9	96•9 97•9	97.9		97.9	97.9	97.9	98.0	98.0
≥ 6000 ≥ 5000	98.0 98.5			98.7 99.3		98.8	1		98 • 8 99 • 4			98.8				
≥ 4500 ≥ 4000	98.5 98.7		–	-		99.4	99.4	99.4	99.4	-	99.4	99.4	99.4	99.4 99.6		
≥ 3500 ≥ 3000	98.9	99.4	99.5	99.6		99.6		99.7	99.7 99.8	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 2500 ≥ 2000	98.9	99.5	59.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 1800	99.0					99.8		99.9	99.9	99.9	99.9	99.9				100.0
≥ 1500	99.0			99.8		99.8		99.9	99.9	99.9	99.9	99.9				100.0
≥ 1000	99.0	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 900 ≥ 800	99.0 99.0					99.8 99.8			99.9	99.9 99.9	99.9 99.9	99.9		-		100.0
≥ 700 ≥ 600	99.0					99.8 99.8	99.9		99.9	99.9 99.9	99.9	99.9				100.0
≥ 500 ≥ 400	99.0		1 1 1 7 1			99.8 99.8		99.9 99.9	99.9	99.9	99.9	99.9				100.0
≥ 300 ≥ 200	99.0	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	99.0	99.0	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9	100.0	100.0
≥ 0	99.0	92.6	99.7	99.8	59.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

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### CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)		•				
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	21%	≥1¼	≥1	≥ 1/4	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	82.7	82.9 88.2	83.1 88.3	83.1 88.4	83.1	83.1	83.1 88.4	83.1 88.4	83.1	83.1	83.1 88.5	83.1 88.5	83.1 88.5	83.1 89.5		
≥ 18000 ≥ 16000	88.3	88.6	88.7	88.8 89.2	88.8	88.8 89.2	88.8	88.8	88.8	88.9	88.9 89.3	88.9	88.9	88.9	88.9	
≥ 14000 ≥ 12000	90.4	90.6	90.8	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.1 93.7	91.1	91.1	91.1	91.1	91.1
≥ 10000 ≥ 9000	94.4 95.1	94.7	94.9	95.0	95.1	95.1 95.8	95.2	95.3 96.0	95.3	95.4	95.4 96.1	95.4 96.1	95.5	95.5	95.5	95.5
≥ 8000 ≥ 7000	95.8 96.7	96.1	96.4 97.4	96.4	96.6	96.6	96.7	96.8	96.8	96.9		96.9	97.0	97.0	97.0	97.0
≥ 6000 ≥ 5000	97.6 98.0	98.0				98.4	98.6	98.6		98.9	98.9	98.9	99.0	99.0		99.0
≥ 4500 ≥ 4000	98.2 98.4	98.6 98.8				99.0 99.2	99.2	99.3	- 1		99.5	99.5 99.7	99.6	99.6	99.6	
≥ 3500 ≥ 3000	98•4 98•4			99.1 99.2							99.8 99.9	99.8 99.9			t	99.9 100.0
≥ 2500 ≥ 2000	98.4 98.4	48.9 78.9		99.2		99.3 99.4	99.5 99.5	99.6	99.6	99.8	99.9	99.9				100.0 100.0
≥ 1800 ≥ 1500	98.4 98.4			99.2 99.2				99.6		- 1					- '	100.0
≥ 1200 ≥ 1000	98.4 98.4	98.9	99.1	99.2	99.4	99.4 99.4	99.5	99.6	99.6 99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	98.4 98.4		99.1	99.2	99.4	99.4	99.5	99.6	99.6 99.5	99.8	99.9	99,9	100.0		100.0	100.0
≥ 700 ≥ 600	98.4 98.4		99.1	99.2	99.4			99.6 99.6		99.8	99.9	99.9	100.0	100.0	100.0	100.0 100.0
≥ 500 ≥ 400	98.4 98.4		99.1	99.2 99.2	99.4			99.6		99.3	99.9	99.9	100.0	100.0 100.0	100.0	100.0
≥ 300 ≥ 200	98.4 98.4		99.1	99.2	99.4	99.4	99.5	99.6	99.6	99.8		99.9	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.4 98.4			99.2 99.2	1	99.4 99.4	99.5 99.5	99.6 99.6	99.6 99.6							100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (STA	TUTE MILE	ES)						{
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1½	≥11/4	≥ı	≥ 1/4	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	80.3 86.6	80.4 86.7	80.4 86.8	80.4 86.8		80.5 86.9	80.5 86.9	80.5 87.0	80.5 87.0	80.5 87.0		80.5 87.0	80.6 87.0	80.6 87.0	80.6 87.0	80.6 87.0
≥ 18000 ≥ 16000	86.9 87.5	87.0 87.6	87.6	87.1 87.7	87.8	87.2 87.8				87.3 87.8		87.3 87.8	87.3 87.8	87.3 87.8	87.4 87.9	
≥ 14000 ≥ 12000	89.7 92.4	89.9 92.6		92.8	92.9		90.1 92.9		90.1 92.9	90.1 93.0	90.1 93.0		90.2 93.1	90 • 2 93 • 1	90.2	93.1
≥ 10000 ≥ 9000	94.6		95.2	94.9 95.2					95•1 95•4	95.2 95.5	95.5		95.2 95.6			95.6
≥ 30·.0 ≥ 7000	95.7 96.6	76.0 96.9	96.1 97.1	96.2 97.2	97.3	97.3	97.4	97.4	96.4 97.4		97.5		96.5	96.5 97.5	97.6	97.6
≥ 6000 ≥ 5000	97.8 98.2		98.4 98.8		99-1		99.1		99.2	99.3	99.3				99.5	99.5
≥ 4500 ≥ 4000	98.3 98.5			99.2	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.8	99.8
≥ 3500 ≥ 3000	98.5		99.2	99.2	99.4	99.4	99.5	99.5	99.5		99.6	99.6	99.7	99.8	99.8	99.8
≥ 2500 ≥ 2000	98.6		99.2	99.3	99.5	99.5	99.5	99.6	99.6		99.7		99.8	99.9	99.9	99.9
≥ 1800 ≥ 1500	98.6	99.0	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.9	94.9	99.9	100.0
≥ 1200	98.6 98.6	99.0	99.2		99.5		99.5	99.6	99.6 99.6	99.7	99.7 99.7	99.7 99.7	99.9 99.9	99.9	99.9	100.0 100.0
> 900	98.6	99.0	99.2	-	99.5	99.5	99.5	99.6		99.7	99.7	99.7	99.9	99.9	99,9	100.0
≥ 730 ≥ 600	98.6	99.0	99.2		99.5	99.5	99.5	99.6		99.7	99.7			99,9	99.9	100.0
≥ 500 ≥ 400 ≥ 300	98.6	99.0	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.7	99.7		99.9	90.9	99,9	100.0
≥ 200	98.6	99.0		99.3	99.5	99.5	99.5	99.6		99.7	99.7	99.7	99.9	99.9	99.9	100.0
≥ 100 ≥ 0	98.6											99.7	99.9			100.0

TOTAL NUMBER OF OBSERVATIONS 2609

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						_	VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1½	≥1¼	≥1	≥ ¾	≥¾	≥%	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	84.9 88.7	85.0 88.9			85.1 88.9				85.1 88.9	85.1 88.9	85.1 88.9	85.1 88.9				88.9
≥ 18000 ≥ 16000	89.2 89.5	89.3 89.6	89.3 89.7	89.3 89.7	89.3 89.7	89.3		89.3 89.7	89•3 89•7	89.3 89.7	89.3 89.7	89.3 89.7			89.7	89.7
≥ 14000 ≥ 12000	91.6 94.3	91.8 94.5		1	91.8 94.5	91.8 94.5		91.8 94.5	91.8 94.5		91.8 94.5			91.5 94.5	91.8 94.5	
≥ 10000 ≥ 9000	95.7 96.3	95.8 96.5	95.8 96.5	95.8 96.6	95.8 96.6	95.8 96.6	96.6			96.6	95.8 96.6		96.6		96.0	96.6
≥ 8000 ≥ 7000	97•2 98•1	97.4 98.3	97.5 98.4	97.5 98.5	97.6 98.5		97.7 98.6	97.7 98.6								
≥ 6000 ≥ 5000	98.8 99.1	99.1 99.4	99.2 99.6		99.4 99.7	99.4		99.4 99.7	99.4 99.7	99.5 99.8	99.5 99.8	99.5 99.8	99.6 100.0			1 1
≥ 4500 ≥ 4000	99.1	99.4	99.6 99.6	99.7	99.7 99.7	99.7 99.7		99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8		100 • 0 100 • 0		, ,	100.0
≥ 3500 ≥ 3000	99.1 99.1	99.4	99.6 99.6		99.7 99.7	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8		100.0 100.0			100.0
≥ 2500 ≥ 2000	99.1	99.4 99.4	99.6 99.6	99.7	99.7 99.7	99.7 99.7	99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8				, ,	100.0
≥ 1800 ≥ 1500	99.1 99.1	99.4 99.4	99.6 99.6	99.7	99.7 99.7			99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8					100.0 100.0
≥ 1200 ≥ 1000	99.1	99.4 99.4		99.7	99.7 99.7	99.7 99.7		99.7 99.7	99.7 99.7		99.8 99.8			-		100.0
≥ 900 ≥ 800	99.1 99.1	99.4 99.4	99.6 99.6	99.7	99.7 99.7	99.7 99.7	99.7		99.7 99.7	99.8 99.8	99.8	99.8				100.0 100.0
≥ 700 ≥ 600	99.1 99.1			99.7	99.7 99.7		99.7	99.7	99.7 99.7	99.8 99.8		99.8	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.1	99.4 99.4	99.6 99.6	99.7	99.7 99.7	99.7 99.7	99.7		99.7	99.8 99.8	99.8 99.8	99.8	100.0	100.0	100.0	100.0 100.0
≥ 300 ≥ 200	99.1 99.1	99.4 99.4	99.6	99.7	99.7	99.7 99.7	99.7		99.7	99.8	99.8	99.8	100.0	100.0	100.0	
≥ 100 ≥ 0	99.1	99.4 99.4	99.6 99.6		99.7 99.7					99.8 99.8	99.8 99.8					100.0 100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_

### CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-60,63-65,72-74

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY (ST.	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	22h	≥ 2	≥1%	≥1¼	≥ı	≥ 1/4	≥ ¾	≥ ⅓	≥5/16	≥ ¼	≥0
NO CEILING ≥ 20000	87.5 89.0	87.5 89.0		87.5 89.0	87.5 89.0	87.5 89.0	87.5 89.0	87.5 89.0	87.5 89.0			87.5 89.0	87.5 89.0	87.5 89.0		
≥ 18000 ≥ 16000	89.3		(	89.3 89.8	89.3 89.8	89.3 89.8		89.8	89.3 89.8	89.3 89.8	89.3 89.8	89.3 89.8	89.3 89.8		89.3 89.8	
≥ 140€0 ≥ 12000	91.5 93.2	91.5 93.2	,	91.5 93.2	91.5 93.2	91.5 93.2	91.5 93.2	91.5 93.2	91.5 93.2	91.5 93.2	93.2	91.5 93.2	91.5 93.2	91.5 93.2	93.2	93.2
≥ 10000 ≥ 9000	94.0 95.0	95.0	95.0	95.0		94.0 95.0	95.0	95.0	94.0 95.0			94.0 95.0	94.0 95.0	95.0		95.0
≥ 8000 ≥ 7000	96.0 96.8	96.0 96.8	96.8		96.8	1				96.0 96.8		96.8	96.0 90.8	96.8	96.8	96.8
≥ 6000 ≥ 5000	97.8 93.9		99.1	97.8 99.1	97.8 99.1	97.8 99.1	97.8 99.1	99.1	97.8 99.1	97.8 99.1	99.1	97.8 99.1	97.8 99.1	97.8 99.1	97.8 99.1	99.1
≥ 4500 ≥ 4000	99.0			99.2 99.5		99.5	99.2		99.2 99.5		99.5	99.2 99.5	99•2 99•5		99.2 99.5	99.5
≥ 3500 ≥ 3000	99.4	99.6	99.7	99.7 99.7		99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7		99.7	99.7 99.7	99.7 99.7	99.7 99.7	99,7 99,7	
≥ 2500 ≥ 2000	99.6 99.6	99.8	99.9				99.9	99.5		99.9	99.9	99.9	99.9			99.9
≥ 1800 ≥ 1500	99.6 99.6	99.8	99.9	99.9	99.9	99.9		99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	99.6	99.8	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9
≥ 900 ≥ 800	99.7 99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	79.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	99.7	99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9
≥ 500 ≥ 400	99.7	99.8	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	99.7	99.8	99.9	99.9	99.9		99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0	99.7															100.0

TOTAL NUMBER OF OBSERVATIONS\_\_\_\_

196

## CEILING VERSUS VISIBILITY

23104 STATION WILLIAMS AFB APIZONA/CHANDLER

42-74

ÜCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)			,				VIS	IBILITY (ST	ATI TE MIL	ES)					·	
	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ¾	≥¾	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	85.7 87.6	85.8 87.7			85.8		1				85.8 87.7	85.8		85.8		
≥ 18000 ≥ 16000	87.7 88.5	87.8 88.6	~,••		87.8	87.3	87.8	87.8	87.8	87.8	87.8	87.7 87.8	87.8		87.8	87.8
≥ 14000 ≥ 12000	90.2 92.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	88.6 90.4	90.4		90.4		
≥ 10000 ≥ 9000	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	92.2		92.7	92.2	92.2	92.2	
≥ 8000 ≥ 7000	95.1	95.3	94.1 95.3	95.3	94.1	94.1		95.3	94.1	94.1	95.3		94.1	94.1	94.1	94.1
≥ 6000 ≥ 5000	95.8 97.0	97.3	97.3	96.1 97.3	96.1 97.3	97.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1 97.3	96.1	96.1 97.3	96.1
≥ 4500 ≥ 4000	98.4 98.6	99.0	99.2	98.9	98.9	99.2	98.9	98.9	98.9		98.9	98.9	98.9		98.9	98.9
≥ 3500	99.1	99.5	99.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	20 -	99.2
≥ 3000 ≥ 2500	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	00.0	00 0	00 0	00 0	00 0		اماما	99.7 99.9
≥ 2000																
≥ 1500	99.3	99.8	100.0	00.01	00.01	00.0	00.01	10.00	10.00	00.01	.00.00	.00.01	.00.01	.00.0	100.01	00.0
≥ 1000	99.3	99.8	00.0	00.01	00.01	00.0	00.01	00.01	00.01	10.00.	00.01	00.01	10.00	00.01	.00.01	00.0
≥ 900 ≥ 800	99.3	99.8	00.0	00.01	00.01	00.01	100.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.00
≥ 700 ≥ 600	99.3	99.81	00.01	.00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.0
≥ 500 ≥ 400	99.3	99.81	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00 OIT	00.01	00.01	00.01	70.0L	00.0
≥ 300 ≥ 200							00.01									
≥ 100 ≥ 0							00.01									
					-040	0000it	OOOUL	OO OIT	<u> </u>	00.01	00.01	00.01	00,01	00.01	20.01	00.0

TOTAL NUMBER OF OBSERVATIONS.

2254

## CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0800 HOURS (\$1)

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	.ES)				<del></del>		
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ 1/4	≥%	≥ 1/3	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	80.7 84.1	80.8 84.3														
≥ 18000 ≥ 16000	84.3 85.2	84.5 85.4	84.5 85.4	84.6	84.6	84.6	84.6 85.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 14000 ≥ 12000	87.7 90.6	87.8	87.9	87.9	88.0	88.0	88.0		88.0	88.0		88.0	88.0	88.0		
≥ 10000 ≥ 9000	92.2	92.3	92.4	92.5	92.5	92.5	92.6	92.6	92.6	90.9 92.6	92.6	92.6				
≥ 8000 ≥ 7000	94.4	94.6	94.6	94.7	93.1			94.8	94.8	94.9	93.2	94.9	93.2	93.2	93.2	93.2
≥ 6000 ≥ 5000	95.1 96.3	95.4	95.4	96.8	95.5	96.8	96.9		95.6 97.0	95.6 97.0	95.6	95.6	95.6 97.0	95.6	95.6	95.6
≥ 4500 ≥ 4000	97.6 97.9	97.9	98.3	98.2	98.2	98.2	98.6		98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500	98.1 98.4	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.0		99.0	99.0	99.0	99.0	99.0
≥ 3000 ≥ 2500	98.5	98.8	99.0	99.1	99.2	99.4	99.3	99.4	99.4		99.4	99.4	99.4	99.3		99.3
≥ 2000	98.6		99.3	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.6	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
≥ 1500	98.6 98.6	99.0	99.4	99.6	99.6	99.6	99.7	99.8	99.8		99.8	99.8 99.8	99.8	99.8 99.9	99.8 99.9	99.8
≥ 1000	98.6	99.0	99.4	99.6	99.6	99.6			99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.6	99.0	99.4		99.6 99.6			99.8	99 • 8 99 • 8	99.9 99.9		99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	98.6 98.6	99.0 99.0			99.6 99.6	99.6	99.8		99 • 8 99 • 8	99.9	99.9	99.9	99.9	99.9		99.9
≥ 500 ≥ 400			99.4	99.6	99.6		99.8	99.8	99.8		99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200			99.4		99.6	99.6	99.8	99.8	99.8	99.5	99.9	99.9	99.91	00 - 01	00.01	00.0
≥ 100 ≥ 0		99.0 99.0	99.4	93.6	99.6	77.0	79.8	77.8	99.8 99.8	99.9	99.9	99.9	99.91	00-01	00.03	00.0

TOTAL NUMBER OF OBSERVATIONS\_

2820

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

UCT

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VISI	BILITY (STA	ATUTE MILI	ES)						į
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥ ¾	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING	79.0	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 20000	84.7	85.3			85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 18000	85.1	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0			86.0	86.0	86.0	86.0	86.0
≥ 16000	85.9						86.9	86.9			86.9	86.9			86.9	86.9
≥ 14000	87.6	88.2	88.5				88.6					88.6				1
≥ 12000	89.7	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90,7	90.7	90.7
≥ 10000	91.6	92.3	92.5		92.8	92.8	92.8	92.8				92.8	92.8	92.8	92.8	
≥ 9000	92.1	92.8		93.1	93.3		93.3			93.3		93.3				
≥ 8000	93.2	93.9	94.2	94.3			94.4	94.4						94.4	94.4	
≥ 7000	93.7	94.4		94.8		94.9	95.0				95.0		95.0			
≥ 6000	95.1	95.9	96.2	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
≥ 5000	96.5	97.3		97.7		97.9		98.1			98.2			98.2		
≥ 4500	96.7	97.6	- 1													98.5
≥ 4000			98.2		98.6	98.6	98.7	98.8	98.8	98.8			98.9	98.9		98.9
≥ 3500	97.3					98.9										
≥ 3000	97.4		98.6					99.2						99.3		99.3
≥ 2500	97.5			98.9					99.5							
≥ 2000	97.7			99.1		99.4			99.7		99.8					
≥ 1800	97.7	98.6		99.1					99.7	99.7						
≥ 1500	97.7	98.6							99.7							
≥ 1200	97.7	98.6	99.0	99.2			99.7	99.8					99.9	99.9		
≥ 1000	97.7	98.6			99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9		99.9
≥ 900	97.7	98.6	99.0	99.2			99.7	99.8			99.9			99.9		99.9
≥ 800	97.7	98.6		99.2	99.6		99.8	99.8	99.8							99.9
≥ 700	97.7	98.7	99.1	99.3	99.6		99.8	99.9	99.9							100.0
≥ 600	97.7	98.7	99.1	99.3			99.8		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.7	98.7	99.1	99.3	99.6		99.8							100.0		
≥ 400	97.7	98.7	99.1	99.3	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.7	98.7	99.1	99.3	99.6	99.6	99.8									100.0
≥ 200	97.7	98.7	99.1	99.3	99,6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.7	98.7	99.1	99.3		99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.7	98.7	99.1	99.3	99.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	79.2 85.9	80.1 86.9	80.2 87.0	80.2 87.0		80.3 87.1	80.4 87.2	80 • 4 87 • 2	80.4 87.2	80.4 87.2	1	80.4 87.2				
≥ 18000 ≥ 16000	86.5 87.3	87.5 88.3	87.5 88.3	87.6 88.4	87.6 88.4		87.7 88.5	87.7 88.5	87.7 88.5	87.7 88.5		87.7 88.5		88.5	88.5	87.7 88.5
≥ 14000 ≥ 12000	89 • 2 90 • 9	90.2 91.9			92.2	92.2		92.3	90.5 92.3		90.5 92.3		92.3	92.3	92.3	92.3
≥ 10000 ≥ 9000	92.1 92.8	93.1 93.8	93.2 94.0	93.3 94.0	_ 1		93.5 94.2	93.5			94.2	94.2	94.2	94.2		
≥ 8000 ≥ 7000	93 • 2 94 • 0	94.3 95.2	95.3		95.5	95.5				95.6	95.6	95.6				
≥ 6000 ≥ 5000	95•2 96•2		97.8	96.6 97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500 ≥ 4000	96.5 97.0		98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500 ≥ 3000	97.3 97.4		99.0	99.1	99.3	99.3	99.4	99.4		99.4	99.4		99.4	90.4	99.4	99.4
≥ 2500 ≥ 2000	97.8 97.9	99.3	99.5	99.6	99.8	99.8	99.9	99.9		99.9		100 • n	100.0	100.0	100.0	
≥ 1800 ≥ 1500	97.9 97.9	99.3	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 1200 ≥ 1000	97.9 97.9	99.3	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	97.9 97.9		99.5		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 700 ≥ 600	97.9 97.9	99.3	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	97.9	99.3	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	97.9 97.9	99.3	99.5	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.9 97.9	99.3		-											100.0	

ا المعادل المقادل المعادل المستخدم والمداري المستخدم المعادل المعادل المعادل المعادل المستخدم المستخدم والمعادل المعادل OTAL NUMBER OF OBSERVATIONS 3012

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥ 1/4	≥.,	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	79.0 86.4	79.6 87.0	79.6 87.0		79.7 87.0	79.7 87.0		79.7 87.1	79.7 87.1	79.8 87.2	79.8 87.2	79.8 87.2	79.8 87.2	79.8 87.2	79.8 87.2	79.8 87.2
≥ 18000 ≥ 16000	86.8 88.0	87.4 88.6		~ . • '	87.4 88.7	87.4 88.7		87.5 88.8	87.5 88.8		87.6 88.9					
≥ 14000 ≥ 12000	89.9 91.8		90.5 92.5	90.5 92.5	90.6 92.6	90.6 92.6		90•7 92•6	90.7 92.7	92.7	90.8 92.7	92.7	92.7	90.8	92.8	92.8
≥ 10000 ≥ 9000	93.1 93.7					93.9 94.5		94.6	94.6	94.7	94.7	94.0 94.7	94.7	94.7	94.0 94.7	94.7
≥ 8000 ≥ 7000	94.5	95.2 96.6				95.4 96.7	95.4 96.8		95.5 96.8	96.9	95.5	95.5		95.6	95.6 97.0	97.0
≥ 6000 ≥ 5000	96.8	97.5 98.7	97.6 98.8	98.8	99.0	97.8	99.0	99.0		99.1	97.9	97.9 99.1	99.2	97.9	98.0 99.2	99.2
≥ 4500 ≥ 4000	98.0	98.9	98.9	99.0	99.4	99.4			99.5	99.6	99.3	99.3	99.6		99.6	99.6
≥ 3500	98.3	99.1 99.2	99.2	99.2 99.3		99.5 99.5	99.6		99.5	99.7	99.6	99.6	99.7	99.6	99.7 99.7	99.7
≥ 2500 ≥ 2000	98.5 98.5	99.3		99.5 99.5	99.7 99.7	99.7				99.8	99.8		99.9	99.8 99.9	99.9	99.9
≥ 1800 ≥ 1500	98.5 98.5	99.3 99.3		99.6	99.7 99.8	99.7 99.8 99.8		99.7 99.8	99.8 99.9	_	99.8 99.9	99.9	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000 ≥ 900	98.5 98.5	99.3	99.4	99.6	99.8	99.8	99.8			99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 800	98.5	99.3	99.4	99.6		99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700 ≥ 600 ≥ 500	98.5	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400 ≥ 300	98.5	99.3	99.4	99.6	99.8	99.8	99.8		99.9	99.9	99.9	99.9	100.0	100.0	100.0	
≥ 100	98.5		99.4	99.6	99.8	99.8	99.8	99.8	99.9	99.9		99.9	100.0	100.0	100.0	100.0
\$ 0	93.5				1	•		99.8			- 1	- 1				100.0

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	≥1%	≥1	≥ 3,4	≥%	≥%	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	82.7 88.2	82.9 88.4		82.9 88.4	82.9 88.5		82.9	82.9 88.5	82.9 88.5			83.0	83.0 88.5	83.0 88.5		
≥ 18600 ≥ 16000	88.9	89.1 89.9	89.1 89.9	89.1 89.9	89.2 90.0	89.2 90.0	89.2 90.0	89.2 90.0	89 • 2 90 • 0			89.2 90.0	89.2 90.0	89.2 90.0	89.2 90.0	
≥ 14000 ≥ 12000	91.4 93.2	91.7 93.5		91.7 93.5	91.8 93.6	91.8 93.6	91.8 93.6	91.8 93.6	91.8 93.6				91.8 93.6	91.8 93.6	_	
≥ 10000 ≥ 9000	94.4 94.8	94.8 95.2		94.9 95.3	95.0 95.4	95.0 95.4	95.0 95.4	95.0 95.4	95.0 95.4			95.0 95.4	95.0 95.4	95.0 95.4		
≥ 8000 ≥ 7000	95.5 96.9	95.9 97.3	97.4		96.1 97.6					37.6	97.6				97.6	97.6
≥ 6000 ≥ 5000	97.9 98.5	98.5 99.1	99.2		98.7 99.4	98.7	98.7 99.4		96•7 99•4		99.5	99.5			99,5	99.5
≥ 4500 ≥ 4000	98.5 98.6	99.1 99.4	99.5	99.5	99.4	99.4	99.4			99.8	99.8	99.8	99.8	80.8	99.8	99.8
≥ 3500 ≥ 3000	98.6		99.5	99.5	99.7	99.8				99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 2500 ≥ 2000	98.7 98.7	99.4	99.5	99.6	99.8		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500 ≥ 1200	98.7 98.7 98.7	99.4 99.5	99.6	99.6	99.8 99.9	99.8 99.9	99.9		99.9	100.0		100.0	100.0	100.0	100.0	99.9 100.0 100.0
≥ 1000	98.7	99.5	99.6	99.6		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	107.0
≥ 800	98.7 98.7	99.5	99.6	99.6	99.9	-	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7 98.7	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.5	99.6	99.6	99.9	90.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.5														100.0

TOTAL NUMBER OF OBSERVATIONS 2661

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER

42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	BILITY ISTA	ATUTE MIL	ES)						İ
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ 14	≥%	≥ !5	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	87.4						87.4			87.4	87.4	87.4	87.4			
	90.4							90.5	90.5	90.5	71).5	90.5				
≥ 18000 ≥ 16000	90.8						90.8	90.8				90.8		90.8		
<u> </u>	91.4								91.5			91.5				91.5
≥ 14000 ≥ 12000	93.2	93.3					93.3				93.3	93.3		93.3		
	94.5					94.6					94.6				94.6	
≥ 10000 ≥ 9000	95.2	95.4		95.4			95.4	95.4				95.4	95.4	95.4		
ļ	96.1 97.2					96.2					96.2			96.2		96.2
≥ 8000 ≥ 7000	97.9	97.3 98.1	97.3			97.3		97.3				97.3		97.3		
≥ 6000	98.8	99.1							98.1				98.1			
≥ 5000	99.2		99.2	99.2			99.2	99.2			99.2 99.6		99.2			99.6
≥ 4500	99.3			99.7			99.7						99.7			
≥ 4000	99.4		99.8													
≥ 3500	99.4					99.8									99.9	
≥ 3000	99.5		99.9	- 1												
≥ 4500	99.6		100.0													
≥ 2000			100.0													
≥ 1800	99.6		100.0													
≥ 1500			100.0													
≥ 1200	99.6		100.0													
≥ 1000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	103.0	100.0	100.C	100.0	100.0	100.0
≥ 900	99.6		100.0													
≥ 800	99.6	99.9	100.0	100.C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.6	99.9	100,0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0
≥ 600	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.6		100.0													
≥ 400	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	150.0
≥ 300	99.6	99.9	100.0	100.0	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.6		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.6															100.0
≥ 0	99.6	99.9	100.0	160.0	100.6	100.0	170.0	100.0	100.0	100.0	100.0	100.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2262

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-60,63-64,71,73

NDV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEHING							VI5	IBILITY (ST/	ATUTE MIL	ES)		_		_		
FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1%	≥1%	≥1	≥¾	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	85.2 89.0	85.4 89.2	85.6 89.4		85.6 89.4	85.6 89.4		85.7 89.4	85.7	85.7 89.5	85.7 89.5	85.7 89.5	85.7 89.5	85.7 89.5	85.7 89.5	85.7
≥ 18000 ≥ 16000	89.5 90.5	89.7 90.7	89.8 90.9		89.8 90.9	89.8 90.9		89.9 90.9	89.9 90.9	89.9 91.0	89.9 91.0		89.9 91.0	89.9 91.0	89.9 91.0	1. 1
≥ 14000 ≥ 12000	91.1 92.5	91.3 92.7	91.5 92.9		91.5 92.9	91.5 92.9	- 1	91.5 92.9	91.5 92.9	91.6 93.0			91.6 93.0	1	91.6 93.0	1 1
≥ 10000 ≥ 9000	93.5 94.0	94.2	93.9 94.3	94.3			94.4			94.0 94.4				94.0		1 1
≥ 8000 ≥ 7000	95.0 95.8	96.0		96.1	95.4 96.1	95.4 96.1	96.2	96.2		96.2	95.5 96.2	96.2		95.5 96.2	96.2	96.2
≥ 6000 ≥ 5000	96.7 97.7	98.0	97.1 98.1	98.1	97.1 98.1	97.1 98.1	97•1 98•2		98.2	98.3	97.2 98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500 ≥ 4000	97.9 98.5	98.9	99.0	99.0	99.0		99.1		98.5 99.1	99.2	98.6 99.2	99.2	99.2		99.2	99.2
≥ 3500 ≥ 3000	98.7 98.7	99.3		99.5	99.4 39.5	99.5	99.5		99.4	99.6	99.5	99.6	99.6	99.6	99.6	99.5
≥ 2500 ≥ 2006	98.8 98.8	99.3	99.5	99.6	99.6	99.6	99.7	99.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800 ≥ 1500	98.8 98.8	99.7	99.5	99.6	99.6	99.6	99.7	99.7 99.7	99.7 99.7	99.8		99.0	99.8	29.8	99.8	99.8
≥ 1000	98.9	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99•8 99•8		99.9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 300	98.9	99.4	99.6	99.7	99.7 99.7	99.7	99.8	99.8	99.8	99.9		99.9	99.9	90.9	99.9	99.9
≥ 700 ≥ 600	98.9	99.4	99.6	99.7	99.7		99.8	99.8				99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	98.9	99.4			99.7		99.9	99.8		100.0		100.7	100-0	100.0	100.0	100.0
≥ 30C ≥ 200	98.9	99.4	99.6	99.7		99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 109 ≥ 0	98.9 98.9		99.6 99.6		99.8			99.9				-		_		100.0

TOTAL NUMBER OF OBSERVATIONS 1889

های استفاده و کاف استخداد میداد میداد استخداد استفاده است در این در در بازی کاف از استفاده در در این میدود در بدا در رساند میداد میداد همداد همداد همداد برهمهای است از این در در بازی در در در در در در در در در در در در د

### CEILING VERSUS VISIBILITY

WILLIAMS AF8 ARIZUNA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIL NG							VIS	IBILITY (STA	ATUTE MIL	ES)						
PEET)	≥10	≥6	≥ 5	≥4	≥3	≥2⅓	≥2	≥1′7	≥1¼	≥1	≥ ₹.	≥ ⅓	≥%	≥ 5.16	≥ ′₄	≥0
NO JE LING ≥ 2( 00	34.4 88.8					89.2	89.2	89.3	89.3	89.3		85.0 89.4	85.0 89.4			
≥ 18000 ≥ 16000	89.2 89.8	- •				89.7 90.2		89.8 90.3			90.4					
≥ 14000 ≥ 12000	90.6 92.2	92.3	92.4		92.6	92.6		91.1 92.7	92.7	92.7		91.2 92.8				91.2 92.8
≥ 10000	93.8	94.0	94.1	94.2	94.3		94.2	94.4	94.3 94.4	94.4	94.5	94.4	94.5		94.4	94.5
≥ 8000 ≥ 7000	94.6	95.3	95.5	95.6	95.7	95.1 95.7		95.7	95.1 95.7	95.8	95.8			95.8	95.8	
≥ 6000 ≥ 5000	96.4	97.9	98.0		98.2	96.9 98.2		98.2	96.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500 ≥ 4000	98.0 98.2	98.5	98.7	98.8	98.8		98.8	98.9		98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500 ≥ 3000	98.7 98.8			90.4		99.2 99.5			99.5	99.6	99.6	99.6			99.6	
≥ 2500 ≥ 2000 ≥ 1800	98.8 98.8	99.2	99.3	99.5	99.6	99.6		99.6		99.7	99.7		99.7 99.7		99.7	99.7
≥ 1500	98.8		99.4	99.6	99.7	99.7		99.8	99.8 99.8	99.8	99.9	99.9		99.9	99.9	99.9
2 1200	98.8	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 80 1	98.8		99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	1	99.9	99.9	99.9	99.9
≥ 600	98.8		99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400 ≥ 30°	y0.8	99.3		99.6	99.5	99.9	99.9	99.9	99.9	100.0	100 C	10C.n	100-0	100.0	100.0	100.0
≥ 200	98.8	99.3	99.4	99.6	99.9		09.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	190.0
≥ 0	\$8.8		99.4					99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

VOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (STA	ATUTE MILI	ES)						
FEET	≥10	ا ہ≤	≥ 5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥ 3/6	2 1/2	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	78.7 85.	78.9 85.2		79.3 85.6	79.4 85.7	79.4 85.7	79.4 85.7	79.5 85.8	79.5 85.8		79.5 85.8		79,6 85.9	79.6 85.9		79.7 86.0
≥ :8000 ≥ 16000	85.4 86.5	7 . ري 86 . 8	85.9	86.0 87.2	86.1 87.2	86.1 87.2	86.1	86.2 87.3		86.2 87.4	86.2 87.4		86.3 87.4	86.3 87.4	86.3 87.5	86.4 87.5
≥ 14000 ≥ 12000	18.4 ⊌J.9	88.7 90.2		90.6	89.1 90.7	89.1 90.7	89.2 90.7	89.2 90.7			89.3 90.8	89.3 90.8		89.3 90.8		89.4 90.9
≥ 10000 ≥ 9000	91.4 91.8		92.4	92.0	92.7	92.7		92.7	92.8	92.8	92.4 92.8	92.8	92.8	92.4 92.8	92.9	
≥ 8000 ≥ 7000	92.7	94.3	93.4	94.7	93.7	94.8		93.8	94.9	94.9	93.8 95.ს	95.0	95.0	93.9 95.0	95.0	95.1
≥ 6000 ≥ 5000	95.3	97.4	96.0	98.0		98.1	96.3 98.1	96.4 98.1	98.2	98.2	96.4 98.2	96.4 98.2	98.3	98.3	98.3	98.3
≥ 4500 ≥ 4000	97.7	97.0 98.2	98.5		98.2 98.9	98.9	98.3 98.9	98.3 98.9	99.0	99.0		99.0				99.1
≥ 3500 ≥ 3000	97.9 98.1	98.7	98.7		99.4	99.4	99.1	99.1 99.4	99.5		99.5	99.2		99.6	99.6	99.6
≥ 2500 ≥ 2000	98.2		99.2	99.3	99.5	99.5			99.6		99.0 19.7	99.6 99.7	99.7	99.6 99.7	99.7	99.8
≥ 1800 ≥ 1500	98.2 98.2			99.4	99.5 99.5		99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	
≥ 1200	98.2	98.9	99.2		99.5	99.6		99.6 99.7	99.6	97.6 99.7	99.1			99.7 99.8	99.7	
≥ 900 ≥ 800	98.2 98.2	98.9	99.2	99.4		99.6	99.7	99.7 99.7	99.7		99.8	99.8	99.9	99.8	99.9	99.9
≥ 700 ≥ 600	98.2					99.6	99.7	99.7 99.7	99.8	99.8	99.9	99.9	99.9	99.9		100.0
≥ 500 ≥ 400	98.2	98.9	99.2		99.6	99.6	99.7		99.8	99.8	99.9	99.9	99.9		99.9	100.0
≥ 300 ≥ 200	98.2	98.9	99.2		99.7	99.7		99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100 ≥ 0	98.2 98.2			99.4 99.4		• •	99.7 99.7						99.9	-		100.0

TOTAL NUMBER OF OBSERVATIONS 2698

### CEILING VERSUS VISIBILITY

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23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100

CEILING							VI\$I	BILITY (STA	TUTE MILE	<b>S</b> )						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1¼	≥1	≥ ¼	≥ ¾	≥ 1/2	≥5 16	≥ %	≥0
NO CEILING ≥ 20000	74.3 82.4	75.4 83.9	75.9 84.4	76.2 84.7	76.3 84.7	76.3 84.7	76,3 84.7	76.3 84.8	76.3 84.8		76.4 84.8	76.4 84.9	76.4 84.8	76.4 84.9	76.4 84.9	76.4
≥ 18000 ≥ 16000	82.9 84.2	84.4 85.7	85.0 86.3	85.3 86.6	85.3 86.6	85.3 86.5	85.3 86.6	85.4 86.7	85.4 86.7	85.4 86.7	85.4 86.7	85.4 86.7	25.4 86.7			86.8
≥ 14000 ≥ 12000	86 • 1 87 • 3	87.6 88.9	,		88.5 89.8			88.6 89.9	89.4	89.9		88.7 89.9	88.7 89.9		89.9	89.9
≥ 10000 ≥ 9000	89.1 89.6	90.0	91.8	92.1	72.1	92.1	91.6 92.1	92.2	92.2	92.2	92.2	92.2	91.7	92.2	92.2	92.2
≥ 8000 ≥ 7000	90.6	92.3 93.4	94.1	94.3	93.3		93.3	93.3	93.3	93.4 94.5	94.5	34.5	93.4	94.5	94.5	94.5
≥ 6000 ≥ 5000	93.1	94,8	97.2	97.5	95.7 97.6	97.6	95.7 97.6		97.6	97.7	97.7	97.7	95.8	97.7	97.7	97.7
≥ 4500 ≥ 4000	94.9	94.8	97.8	98.1	97.7 98.2	98.2	97.7 98.2	97.8 98.3	97.8 98.3	98.3	98.3	98.3	97.8 98.3	98.3	98.3	
≥ 3500 ≥ 3000	95.4 95.7	97.4	98.4	98.7	98.8	98.8	98.4 98.8		98.5 98.9	99.0		99.0	99.0	99.0	99.0	99.0
≥ 2500 ≥ 2000	95.9 96.1	98.0 98.2	99.0		99.2 99.4	99.4					99.5	99.3 99.5	99.3 99.5	99.5	99.5	99.5
≥ 1800 ≥ 1500	96.1 96.1	98.3 98.3	99.0	99.3	99.4	99.5	99.4		99.5	99.5	99.6		99.5	99.6	99.6	99.5
≥ 1200 ≥ 1000	96.1 96.1	98.3 98.3	99.1	99.4		99.6			99.7	99.7	99.7	99.6 99.7	99.6 99.7	99.7		
≥ 900 ≥ 800	96.2 96.2	98.3 98.3	99.1	99.5	99.6	99.6	99.6	99.7	99.7				99.7 99.7	99.8	99.8	99.8
≥ 700 ≥ 600	96.2		99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	96 • 2 96 • 2		99.3	99.7		99.8	99.8	99.9		99.9	99.9			99.9	99.9	100.0
≥ 300 ≥ 200	96.2 96.2	98.4	99.3	99.7		99.8		99.9	99.9	99.9	99.9		99.9	99,9	99.9	100.0
≥ 100 ≥ 0	96.2	98.4 98.4					99.8 99.8			99.9	99.9	99.9 99.3	99.9			100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

NOV

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	IBILITY (ST.	A)UTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥ ¾	≥ 1/2	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	72.1 81.1	73.7 83.1	74.2 83.5			74.4 83.9	74.4 83.9			74.4 84.0	74.4 84.0	74.4 84.0	74.4 84.0		74.4 84.0	74.4 84.0
≥ 18000 ≥ 16000	82.9	84.9	85.4	85.7			84.3 85.8			84.3 85.8	84.3 85.8	85.8	84.3 85.8			84.3
≥ 14000 ≥ 12000	84.8			89.5		87.7 89.5	87.7 89.5		87.7 89.6	87.8 89.6		87.8	87.8 89.6			87.8
≥ 10000	88.0	90.3		91.2	91.2	91.2	91.2	91.3	91.1 91.3	91.1		91.1	91.1			91.1
≥ 8000 ≥ 7000 ≥ 6000	89.4 90.5			92.4 93.6 95.3			92.4	93.7	92.5 93.7	92.5 93.7 95.4			92.5 93.7 95.4	92.5 93.7	92.5 93.7 95.4	92.5 93.7 95.4
≥ 5000 ≥ 5000	93.4	95.7	96.3	96.7	96.7	96.7	95.3 96.7			96.8	96.8	96.8	96.8	95.4 96.8 97.1		
≥ 4000 ≥ 3500	94.3		97.4	97.8	97.9	97.9		97.9	97.9	98.0 98.4	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000	95.2 95.4	97.8	98.4	98.8	98.9			99.0		99.0	99.0		99.0	99.0	99.0	99.0
≥ 2000	95.5	98.2	38.9	79.3	99.4		99.4		99.5	99.5	99.5		99.5	99.5	99.5	99.5
≥ 1500	95.5 95.6					99.4	99.4	99.5	99.5		99.6	99.5	99.6			99.7 99.7
≥ 1000	95.6	98.3	99.0		99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 800	95.6 95.7	98.4	99.1	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99,9		99.9		99.9	99.9
≥ 500 ≥ 400	95.7	98.5	99.2	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100,0	100.0		100.0
≥ 300 ≥ 200	95.7	98.5	99.2	99.5	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	95.7 95.7 95.7	98.5	1	99.5	99.7		99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2887

## CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZUNA/CHANDLER

42-74

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)							VIS	SIBILITY (ST	ATUTE MII	LES)						
	≥10	≥6	≥.5	≥ 4	≥3	≥2½	≥2	≥1½	≥11/4	≥1	≥ 3/4	≥ ⅓	≥%	≥ 5/16	≥ ¼	≥0
NO CFILING ≥ 20000	72.4 82.0	74.1 84.0			74.3 84.2	74.3 84.2	74.3									
≥ 18000 ≥ 16000	82.7	84.7	84.9	84.9		84.9	84.9	84.9	84.9	84.9	84.9	84.9		85.0	85.0	85.0
≥ 14000 ≥ 12000	86.6 88.3	88.9		89.1	89.1	89.1	89.1	89.1	86.3	89.1	89.1	89.1	86.4	89.2	86.4	
≥ 10000 ≥ 9000	89.8	92.2	92.4	92.4	92.4	92.4	92.5	92.6		92.6		91.0 92.6		91.2	91.2 92.7	91.2
≥ 8000 ≥ 7000	90.9	93.4	93.6	93.0	93.7	93.7	93.7	93.1		93.8	93.8	93.1 93.8	93.2	93.2	93.2	93.2
≥ 6000 ≥ 5000	93.4	95.9	96.1	96.2	96.2	96.2	95.0	96.3	95.0 96.3			95.0	95.1	95.1 96.4	95.1 96.4	95.1 96.4
≥ 4500 ≥ 4000	95.3	97.0		98.2	98.2	98.2	98.2	97.7 98.3	97.7 98.3		97.7	98.3	97.0	97.8		97.8
≥ 3500 ≥ 3000	95.7	98.3 98.5	98.7	98.8	98.6	98.8	98.9	98.7	98.7 98.9	98.7		98.7		98.9		98.9
≥ 2500 ≥ 2000	96.0	98.8	99.3	99.3	99.3	99.1	99.4	99.4	99.4	99.4	99.4	99.2	99.3	99.5	99.3	99.3
≥ 1800 ≥ 1500	96.3	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6		99.6	99.6
≥ '200	96.4	99.2	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.6 99.8	99.6
≥ 1000 ≥ 900	96.4	99.2	99.6	99.7	99.7	99.7	99.8		99.9	99.9	99.9	99.91	.00.01	00.00	00.01	00.00
≥ 800 ≥ 700	96.4	99.2	99.6	99.7	99.7 99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.91	00.01	.0C • 0 1	00.01	00.0
≥ 600	96.4	99.2	99.6	99.7	99.7	99.7	99.8		99.9	99.9	33.3	79.91	.00 • 01	.00 • 0 1	00.01	.GO • O
≥ 400 ≥ 300	96.4	99.2		99.7	99.7	99.7	99.8			99.9	99.9	99.91 99.91	00.01	00.01	00.01	0.00
≥ 200	96.4	99.2	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.91 99.91	00.01	00.01	00.01	00.0
2 00							99.8	99.9	77.9	99.9	99.9	99.91	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OSSERVATIONS

2793

### CEILING VERSUS VISIBILITY

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WILLIAMS AFB ARIZONA/CHANDLER

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (\$1

CEILING		<u>-</u>					VIS	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1½	≥14	≥1	≥ ¾	≥ 5/4	≥ ½	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	79.0 85.2	80.5 86.8			80.6 86.9	30.6 86.9	80.6 86.9	80.6 86.9		80.6 86.9		80.6 86.9	80.6 86.9	80.6 86.9	80.6 86.9	
≥ 18000 ≥ 16000	85.8 86.6		1	87.5 88.4	87.5 38.4	87.5 88.4	87.5 88.4	87.5 88.4	87.5 88.4	87.5 88.4	87.5 88.4		87.5 88.4	87.5 8814	87.5 88.4	87.5 88.4
≥ 14000 ≥ 12000	88.4 90.2	91.9	92.1	92.1		90.2	90.2 92.1	92.1	92.1	90.2 92.1	92.1	90 • 2 92 • 1	90.2	92.1	90.2 92.1	90.2 92.1
≥ 10000 ≥ 9000	91.3	93.8						94.0	93.3 94.0		94.0			94.0		
≥ 8000 ≥ 7000	93.9		95.9				96.0				96.0	96.0		96.0		96.0
≥ 6000 ≥ 5060	95.0 95.9	98.1	98.3				97.2 98.4	98.4	97.2 98.4	97.2 98.4	98.4	98.4	97.2 98.4	98.4	97.2	98.4
≥ 4500 ≥ 4000	96.4	99.0	99.1		99.2		99.2	99.2	98•9 99•2	99.2	99.2	99.2	99.2	99.2	98.9	99.2
≥ 3500 ≥ 3000	96.9		99.2	99.2	99.3	99.3			99.4		99.4	99.4	99.4	99.4	99.4	
≥ 2500 ≥ 2000	96.9		99.4	99.4	99.5	99.4		99.6			99.6			99.6		99.6
≥ 1800 ≥ 1500	97.0 57.1 97.1	99.3 99.4 99.6	99.5				99.6		99.6 99.6 99.8	99.6	99.6	99.6	99.6		99.5 95.6 99.8	99.6
≥ 1200 ≥ 1000	97.2	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9
≥ 800	97.2	99.6	99.7	99.8	99.8	99.8		99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9
≥ 600	97.2	99.6	99.8	99.8	99.9	99.9	99.9	99:9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400 ≥ 300	97.2	99.7	99.8	99.8	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0	100.0
≥ 200	97.2	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.2	,					190.0									

TOTAL NUMBER OF OBSERVATIONS 2516

### CEILING VERSUS VISIBILITY

2

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FELT)	≥10	≥6	≥5	≥4	≥3	≥2½	≥ 2	≥1½	≥1¼	≥1	≥ 14	≥>;	≥15	≥ 5/16	≥ 1,4	≥0
NO CEILING ≥ 20000	84.3 89.1	84.6 89.5	84.7		84.8			84.9	84.9	84.5		84.9	84.9	84.9	,	
≥ 18000 ≥ 16000	89.9	89.7	89.8	89.8	89.8	89.8	89.9	89.9	89.9 90.6	89.9	87.9	89.9	89.9	89.9	89.9	39.9
≥ 14000 ≥ 12000	91.5 92.6	91.9	92.0	92.0 93.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92,2	
≥ 10000 ≥ 9000	93.6	94.1	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4		94.4	94.4		
≥ 8000 ≥ 7000	95.1 95.8	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8		95.8	95.8	95.8	95.8
≥ 6000 ≥ 5000	96.7	97.2	97.4	97.4	97.4	97.4		97.5	97.5		97.5		97.5	97.5	97.5	97.5
≥ 4500 ≥ 4000	98.0 93.2	98.8	98.9					99.1	99.1	99.1	99.1	99.1	99.1 99.2	99.1	99.1	99.1
≥ 3500 ≥ 3000	98.3 96.4	•	99.2	99.2		99.2			99.3						7	
≥ 2500 ≥ 2000	98.4 98.4		99.3	99.4	1						: 1		99.6	99.6		
≥ 1800 ≥ 1500	98.4 98.4			99.4			99.6	99.6	99.6	99.6	99.6	99.6		99.6		
≥ 1200 ≥ 1000	98.5 98.6			99.6			99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8 100.0	
≥ 900 ≥ 800	98.6 98.6			99.6											100.0	
≥ 700 ≥ 600	98.6 98.6	99.3		99.6											100.0	
≥ 500 ≥ 400	98.6 98.6	99.3		99.6 99.6	-										100.0	
≥ 300 ≥ 200	98.6 98.6	99.3		99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.6 98.6			99.6 99.6		99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2116

2

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-60,63-64,71

DEC

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	ATUTE MILE	S)						i
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥1%	≥1	≥ ¾	≥ ¾	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5		79.5	79.5	79.5	
	84.3	84.3	84.3	84.3	84.3		84.3		84.3	84.4	84,4		84.4	84.7		
≥ 18000 ≥ 16000	84.6	84.7	84.7	84.7	84.7	1	84.7	84.7	84.7	84.7	84.7	84.7	84.7		84.7	
≥ 14000	85.8	88.5	86.0	86.0	86.0		86.0	86.0 88.6		86.6	86.0	86.0		88.6	88.6	
≥ 12000	90.7	91.0		1				91.0			91.1	91.1	91.1	91.1	91.1	91.1
≥ 10000	91.5	91.8	91.9	91.9	91.9		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9		91.9
≥ 9000	92.2	92.5	- 1	92.5		92.5		92.5	92.5		,				1	
≥ 8000	93.8	94.1	94.2	94.2	94.2		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	95.4	95.8	95.9	95.9	95.9		95.9		95.9			1				
≥ 6000	96.4	96.8	96.9	96.9	96.9		96.9	96.9	96.9	96.9			96.9	96.9	96.9	
≥ 5000	97.7	98.2	98.2	98.2	98.2		98.2		98.2	98.3	I		98.3		98.3	,
≥ 4500	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5			98.5	98.5	98.5	98.5
≥ 4000	98.2	98.7		. 1	98.9			98.9	98.9			98.9	98.9	98.9	98.9	98.9
≥ 3500	98.3	98.9	99.0		99.0	99.0	99.0	99.0	99.0				99.1	99.1	99.1	99.1
≥ 3000	98,4	99.0	99.2		99.2		99.2					99.2		99.2	99.2	99.2
≥ 2500	98.4	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	98.5	99.2	99.4	99.5	99.5	99.5	99,5	99.5	99.5	99.5	99.5	99.5				
≥ 1500	98.5	99.3	99.5	99.5	99.5		99.5					99.6				
≥ 1200	98.5	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	98.6	99.3		99.6	99.6		99.7		99.7	99.8	99.8					
≥ 900	98.6	99.3		99.6	99.6		99.8			99.8		- 1				
≥ 800	98.6	99.3		99.6	99.6		99.8			99.8	99.8					
≥ 700	98.6	99.3		99.6	99.6		99.8									
≥ 600	98.6	99.3		99.6	99.6		99.8				99.8					
≥ 500	98.6	99.3		99.6	99.6		99.8									
≥ 400	98.6	99.3		99.6	99.6		99.8									
≥ 300 ≥ 200	98.6	99.3		99.6	99.6		99.8									99.8
	98.6	99.3										99.8				
≥ 1C0 ≥ 0	98.6	99.3		99.6			99.8			1			-			99.8
	98.6	99.3	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

2

C

231G4 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

DEC

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		_					VIS	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥¼	≥0
NO CEILING ≥ 20000	78.5 83.2	78.8 83.6	78.8 83.6	78.8 83.6	78.8 83.6	78.8 83.6		78.8 83.6	78.8 63.6		83.6	78.8 83.6		78.8 83.6	83.6	83.6
≥ 18000 ≥ 16000	83.6	85.0	84.0 85.0	84.0 85.0	85.0		85.0		84.0 85.0	85.0	85.0	84.0 85.0	85.0	84.0 85.0	85.0	85.1
≥ 14000 ≥ 12000	87.2 88.8		87.6 89.2	89.2	89.2	89.2	99.2	89.2	87.6 89.2	89.2	89.2	87.6 89.2	89.2	87.6 89.2	89.2	89.3
≥ 10000 ≥ 9000	90.4 91.0		90.8 91.4	91.4	90.8 91.4	90.8 91.4			90.8 91.4	91.4	90.8 91.4	90.8 91.4		90 · 8 91 • 4	91.4	91.4
≥ 8000 ≥ 7000	92.7	93.2	93.2	94.9	93.2	93.2		93.2	93.2	93.2	93.2	93.2	93.2	93.2		
≥ 6000 ≥ 5000	95.8	96.2 97.7	96.3	97.7	96.3	96.3 97.7	97.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	97.7	96.4
≥ 4500 ≥ 4000	97.3 98.0		98.0 98.8	98.0	98.0 98.8	98.0 98.8	98.8	98.0 98.8	98.0 98.8	98.8	98.0 98.8	98.0 98.8	98.8	98 • 0 98 • 8	98.8	98.1
≥ 3500	98 • 1 98 • 2	98.9 98.9	99.0	99.1 99.1	99.1 99.1	99.1	99.1	99.1 99.1	99•1 99•1	99.1	99.1 99.1	99.1	99.1 99.1	99.1	99.1	99.1
≥ 2500 ≥ 2000	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4		99.4
≥ 1500	98.3 98.3	99.2	99.4	99.5 99.5	99.5		99.5	99.5	99.5	99.5	99.5	99.5		99.5	99.5	
≥ 1200	98.3 98.3	99.2	99.4	99.5	99.5		99.6			99.6	99.5 99.6	99.5 99.6	99.5	99.5		
≥ 900 ≥ 800	98.3 98.3	99.2	99.4				99.6	99.6			99.6	99.6	99.6	99.6		99.6 99.7
≥ 700 ≥ 600	98.3	99.2	99.4		99.6	99.6	99.7	99.6 99.7	99.6	99.7	99.6 99.7	99.7	99.7	99.6	99.6	99.7
≥ 500 ≥ 400	98.3 98.3	99.2 99.2	99.4 99.4	99.5 99.5	99.6 99.6	99.6	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7	99.7 99.7	99.7
≥ 300 ≥ 200	98.3	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 10v ≥ 0	98.3 98.3	99.2 99.2		99.6 99.6	99.7 99.7	99.7 99.7		99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7		99.8 99.8		100.0

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### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-0800

CEILING							VISI	BILITY (STA	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1%	≥1¼	≥1	≥ ⅓	≥ ¼	≥ 1/2	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	72.3 78.0	73.3 78.9	73.3 78.9	- 1	73.4 79.0		73.4 79.1	73.5 79.1	73.5 79.1		73.5 79.1	73.5 79.1		_	73.8	- 1
≥ 18000 ≥ 16000	78.4 80.0	79.4 81.0	79.4 81.0	79.4 81.0	79.5 81.1		79.5 81.1	79.6 81.2		79.6 81.2				79.7		1
≥ 14000 ≥ 12000	82.3 84.6	83.3	1	83.3 85.7	83.4	83.4	83.4	83.5	83.5	83.5	83.5	33.5 8.8	83.6		83.7	83.9
≥ 10000 ≥ 9000	86.5	87.5 87.9		87.5 88.0	87.6 88.0	7 1	1	87.6	87.6	87.6	87.7	87.7 88.1		87.8 88.2	87.9	
≥ 8000 ≥ 7000	88.5 90.1		89.5	89.5		89.6 91.2	89.6	89.6			89.7	89.7 91.4	89.8	89.8	89.9	90.1
≥ 6000 ≥ 5000	92.5	93.6	93.7 95.7	93.7 95.8	95.8	93.8	93.8	93.8	93.8	93,8		93.9	94.0	94.0	94.1	94.3
≥ 4500 ≥ 4000	95.0 95.6	96.2 97.0	96.2	96.3	96.3 97.1	96.3 97.1		96.4	96.4		96.4	96.4	96.5	96.5	96.7 97.5	96.8
≥ 3500 ≥ 3000	95.8 96.1	97.1	97.3 97.7	97.3		97.4	97.4	97.4	97.5	97.5	97.5		97.6	97.6	97.8 98.2	97.9
≥ 2500 ≥ 2000	96.3 96.4	97.8	93.1 98.3	98.1 98.4	98.2 98.4	98.2	98.3	98.3	98.3	98.4		98.4	98.5	98.5	98.7	98.8
≥ 1800 ≥ 1500	95.4	98.0 98.1	98.3	98.4 98.5		98.5 98.6	98.5 98.6	98.6	98.6		98.7	98.7	98.8	98.8		99.1
≥ 1200 ≥ 1000	96.5	98,2	98.5 98.6	98.6 98.7	98.6 98.7	98.6	98.7	98.7	98.8		98.8	98.8	98.9		99.1	99.3
≥ 900 ≥ 800	96.6 96.6	98.3 98.3	98.6 98.6	98.7 98.7	98.7 98.8	98.7 98.8	98.8	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.3	99.4
≥ 700 ≥ 600	96.6 96.6	98.3 98.3		98.7 98.7	98.8	98.8	98.8		99.0		99.1	99.1 99.1	99.1	99.2	99.3	99.5
≥ 500 ≥ 400	96.6 96.6			98.7 98.7		98.8	98.8 98.8					99.1	99.2	99.2	99.4	99.6
≥ 300 ≥ 200	96.6 96.6	98.3 98.3	98.6 98.6	98.7 98.7	98.8		98.8 98.9	98.9	99.0	99.1 99.1	99.1	99.1	99.2	99.2	99.4	
≥ 100 ≥ 0	96.6 96.6		98.6 98.6	98.7 98.7		98.8 98.8	98.9 98.9			99.1 99.1		99.2 99.2	99.3 99.3	99.3		100.0

### CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZGNA/CHANDLER 42-74

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING	!						VIS	BILITY (STA	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	≥1/2	≥1%	≥1	≥ ¼	≥3,	≥%	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	58.0 76.5	69.5	69.8 78.4				70.0 78.6	70.1 78.7	70.1 78.7	70.1 78.8	70.1 78.8		70.1 78.8	70.1 78.8	70.2 78.8	
≥ 18000 ≥ 15000	77.4 78.9	9.0 80.6	79.4	79.5	79.6		79.6	79.7 81.2	79.7	79.7		79.7	79.7 81.3			
≥ 14000 ≥ 12000	81.3 83.5	83.0 85.2	83.3 85.5		83.5	83.5	83.6	83.6 85.9	83.7	83.7	83.7		83.7	83.7	83.7 95.0	83.8
≥ 10000 ≥ 9000	84.8	86.5 87.2	86.9	87.1 87.7	87.1 87.8	87.1 87.8	87.2 87.8	87.3 87.9	87.3		87.3	87.3 88.0	87.3 88.0	87.3	87.4	87.4 88.1
≥ 8060 ≥ 7000	87.2 88.9	89.0 90.8	89.3 91.1		89.5 91.4	89.5		89.7	89.7	89.8	89.8	89.8	89.8 91.6	89.8		89.9 91.7
≥ 6000 ≥ 5000	90.4	92.3			- 1		93.1 95.5	93.1 95.5	93.2	93.2	93.2	93.2	93.2	93,2	93,2	93.3
≥ 4500 ≥ 4000	93.2 93.9	95.1 96.0	95.6 96.4	95.8 96.6	95.9 96.8					96.2	96.2	96.2 97.0	96.2 97.0	96.2 97.0	96,2 97.1	
≥ 3500 ≥ 3000	94.3	96.5 96.9	i	97.1 97.5	97.3 97.7	97.3 97.7		97.5 98.0	98.0	98.0	98.0			97.6 98.0		97.7 98.1
≥ 2500 ≥ 2000	94.9 95.J	97.4	97.9		98.3 95.5	98.5	98.6	98.7	-	98.8	98.8	98.6 98.8			98.8	
≥ 1800 ≥ 1500	95.1 95.3	97.5 97.7	98.2	98.6		98.9	99.0	99.1		99.2	99.2	99.2	99.2	99.2	99.2	99.3
≥ 1200 ≥ 1000	95.5 95.5	97.9 98.0	98.5	98.9	99.2	99.2	99.4	99.5	99•4 99•5		99.6	99.6	99.5	99.6	99.6	99.7
≥ 900 ≥ 800	95.5 95.5	98.1 98.1	98.6 98.6	99.0	99.2	99.2	99.4		99.6 99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 700 ≥ 600	95.5 95.5	98.1 98.1	98.6	99.0		99.3	99.5			99.6	99.6	99.7	99.7	99.6 99.7	99.7	99.8
≥ 500 ≥ 400	95.5 95.5	98.1 98.1	98.6 98.6	99.0	99.3	99.3	99.5	99.5		99.6	99.6	99.7	99.7	99.7		99.8
≥ 300 ≥ 200	95.5 95.5	98.1		99.0	99.3	99.3	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7		1
≥ 100	95.5 95.5		98.6 98.6	99.0 99.0		-	99.5			99.6 99.6				99.7 99.7		100.0

USAF ETAC FORM 0-14-5 OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

### CEILING VERSUS VISIBILITY

231C4 WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST)	ATUTE MIL	ES)						
(FEET-	≥10	≥6	≥5	≥4	≥3	≥2%	≥2	≥1%	≥114	≥1	≥ 1,4	≥%	≥%	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	65.8 75.9	67.6 77.9	67.8 78.1	67.9 78.3	68.1 78.5	68.1 78.5	68.1 78.5	68.1 78.5	68.1 78.5	68.1 78.5		68.1 78.5	68.1 78.5	68.1 78.5	68.1 78.5	:
00081 ≤ 00061 ≤	77.0 78.5	79.0 80.7	79.2 80.9		79.6 81.3	81.3		79.6 81.3	79.6 81.3			79.6 81.3		79.6 81.3		
≥ 14000 ≥ 12000	80.9 83.0	83.0 85.1	83.2 85.4				83.7 85.8	83.7 85.8	83.7 85.8	83.7 85.8	33.7 85.8	83.7 85.8	83.7 85.8			
≥ 10000 ≥ 9000	84.7 85.3		87.8	88.1	88.3	88.3		88.3			88.3					P9.3
≥ 8000 ≥ 7000	86.5 57.9	90.1		90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000 ≥ 5000	89.9 52.0	94.5		95.2	95.4	95.4		95.4	95.4	93.1 95.4	95.4	95.4				95.4
≥ 4500 ≥ 4000	92.8	96.3	96.8	97.1	96.4	97.4	91.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500 ≥ 3000	94.2		97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	97.9 98.5	98.5	98.5	98.5	99.5
≥ 2500 ≥ 2000	95.0 95.3	98.0	78.5	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800 ≥ 1500	95.4 95.5	98.1 98.3		99.1	99.4	99.5	99.6	99.6		99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200 ≥ 1000	95.5 95.5	98.3	98.9	99.2	99.5 99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	95.5 95.6	98.5		99.3	99.7	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	95.6	98.5 98.5		99.3				99.9		99.9	99.9	99.9			99.9	99.9
≥ 500 ≥ 40°)	95.6 95.6	98.5 98.5	98.9	99.3	99.7		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	95.6 95.6	98.5	98.9	99.3	99.7	99.7		99.9	99.9	100.0	100.0	100.0	100.0	100.0	190.0	100.0
≥ 100 ≥ 0	95.6 95.6	98.5 98.5	98.9 96.9			99.7 99.7										100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER

42-74

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (STA	ATUTE MILI	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1¼	≥۱	≥ 3,4	≥ %	≥%	≥5′16	≥ %	≥0
NO CEILING ≥ 20000	64.6 77.0	65.9 78.5	65.9 78.5	66.0 78.6		66.0 78.7		66.0 78.7			66.0 78.7	66.0			66.0 78.7	
≥ 18000 ≥ 16000	78.1 79.6	79.6 81.1			79.8 81.3	79.8 81.3	79.8 81.3		79.8 81.3		79.8 81.3	79.8 81.3	79.8 81.3	79.8 01.3		
≥ 14000 ≥ 12000	81.7 83.9	83.2 85.5		83.4 85.7		83.5 85.8					83.5 85.8			_		
≥ 10000 ≥ 9000	85.6 86.4			88,3	88.4			87.7 88.5	87.7 88.5	88.5	88.5	87.7 88.5		88.5	88.5	88.5
≥ 8000 ≥ 7000	87.3 38.9							91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 6000 ≥ 5000	90.2 92.7	91.9 94.5	94.6	94.7				94.9	92.4	94.9		94.9		94.9	94.9	94.9
≥ 4500 ≥ 4000	93.5		96.6					97.0	95.9	97.0	97.0	97.0		97.0	97.0	97.0
≥ 3500 ≥ 3000	95.4 95.6		98.0					98.4	97.9 98.4	98.4	98.4			98.4	98.4	98.4
≥ 2500 ≥ 2000	96.1 96.4	98.3 98.8	99,0	99.2	98.9	99.0 99.5	99.1			99.6	99.6				99.6	99.6
≥ 1800 ≥ 1500	96.4 96.5		99.1	99.3				99.8	99.3	99.8	99.8	99.8		99.8	99.8	99.8
≥ 1200 ≥ 1600	96.5	98.9	99.1	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.8	99.9	99.9	99.9	99.9	99.8 100.0
≥ 900 ≥ 800	96.5	98.9	99.1			99.8	99.9	99.9	99.9	99.9		99.9	99.9		99.9	100.0
≥ /00	96.5	98.9	تت	99.4	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	96.5 96.5	98.9	99.1	99.4	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	96.5	98.9	99.1	99.4	99.6	97.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 160 ≥ 0	96.5	-	99.1													100.0

TOTAL NUMBER OF OBSERVATIONS 2911

### CEILING VERSUS VISIBILITY

WILLIAMS AFB ARIZONA/CHANDLER 42-74

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (STA	ATUTE MIL	ES)						]
rFEET,	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1%	≥14	≥ī	≥ ¼	≥ %	≥ 4	≥ 5/16	≥ ≒	≥0
NO CEILING ≥ 20000	71.2 80.0		81.7	81.7		72.7 81.8	8.19				72.7 81.8	72.7 81.8	72.7		72.7 81.8	72.7 81.8
≥ 13000 ≥ 16000	80.6 81.4		82.2 83.0			82.4 83.2		82.4 83.2	52.4 83.2	82.4 83.2	92.4 第3.2	82.4	82.4 83.2	82.4 83.2	82.4 83.2	82.4 03.2
≥ 14000 ≥ 12000	83.5 86.2	85.0 87.7	85.3 88.0	88.2	85.5 88.3	85.5	98.3		88.3	88.3	85.5 88.3	85.5 88.3	85.5 88.3	85.5 88.3	85.5 88.3	85.5 88.3
≥ 10000 ≥ 9000	87.7 88.3		89.7 90.3	90.4	90.6	90.0 90.6	00.6	90.6	90.6	90.6		90.6	90,6	90.6	90.6	90.0 90.6
≥ 8000 ≥ 7000	89.4 91.1	92.7	91.5	93.2	91.8	93.4	93.4	93.4	93.4	93.4	91.8	93.4	93.4	93.4	93.4	93.4
≥ 6000 ≥ 5000	93.0 95.1	94.7	95.1		95.4 97.6	95.4 97.6	97.6	97.6	97.6	97.6	95.4	95.4 97.6			95.4	95.4 97.6
≥ 4500 ≥ 4000	95.7 95.9	97.5 97.8	97.9 98.2	98.3		98.2 98.5	98.5		98.5	98.5		98.3 98.5	98.5			98.3 98.5
≥ 3500 ≥ 3000	96.1 96.4	98.U 98.4	98.4 98.8	98.9		98.8 99.1	99.1	98.8		99.1	98.8 99.1	98.8 99.1	99.1	99.1	99.1	98.8 99.1
≥ 2500 ≥ 2000	96.6 96.6	98.8	99.0 99.2	99.4	99.6	99.3	99.6		99.6	99.6					99.4	99.4 99.5
≥ 1800 ≥ 1500	96.6 96.6	98.8	99.2	99.5	99.6	99.6 99.7	99.8		99.8	99.8	99.6			99.8	99.6 99.8	99.6
≥ 1200	96.6 96.6	98.8	99.4	99.6		99.8	99.8		99.8	99.8		99.8	99.8	99.8		99.8 99.8
≥ 900 ≥ 800	<del></del>	98.8		99.7		99.8	99.9		99.9	99.9	99.8	99.9	99.9	99.9		99.8
≥ 700 ≥ 600	96.6			99.7	99.9		99.9	94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
≥ 500 ≥ 400	96.6 96.6		99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 700	96.6	98.8	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.6 96.6	- 1	99.4				100.0 100.0									

TOTAL NUMBER OF OBSERVATIONS. \_ \_ .

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### CEILING VERSUS VISIBILITY

23104 "ILLIAMS AFB ARIZUNA/CHANDLER 42-74

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS 151

CLING							VIS	BILITY (S)	ATUTE MILI	<u></u>						
FEET	≥10	≥6	≥5	≥4	≥3	≥27	≥2	≥1′2	≥;'.	≥ı	≥ 44	≥ ¾	≥ '4	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	77.5 83.9	78.0 84.5	78.0 84.5		- 1	. 1	78.1 34.6	78.1 84.6	78 • 1 84 • 6	78.1 84.6	78.1 84.0		78.1 84.6	78.1 84.6	78.1 84.6	
≥ 18000 ≥ 16000	84.6 85.8	85.1 86.4	85.1 86.4		85.2 86.5	85.2 86.5		85.2 86.6	86.6		85.2 86.6					85.3 86.6
≥ 14000 ≥ 12000	88.1 89.9	88.3 90.6		90.8			90.9	89.0 90.9	90.9	90.0	20.9	90.9	90.9	90.3	91.0	91.0
≥ 10000 ≥ 9000	90.8 91.4	91.5	92.4	92.4		91.8 92.5	92.6	92.6	92.4	9.6	92.	2.6	92.5	92.5	¢2.6	92.6
≥ 8000 ≥ 7000	94.3	93.8	93.9 95.3	95.4	94.0 95.5	95.5	95.5	95.5	95.5	5.5		95.5	94.1	95.5	95.6	95.6
≥ 6000 ≥ 5000	95.8 96.8	96.7		97.8	97.9	97.9		98.0	98.J		98.0	99.0	96.0	98.0		98,0
≥ 4500 ≥ 4000	96.9 97.4			98.7	98.2 98.8	98.8		98.8		98.8	98.8	98.8	98,3	98.8		98.9
≥ 3500 ≥ 3000	97.5 97.7				98.9 99.1	99.1	99.1		99.1	99.	99.1	94.1	99.1	99.1	99.0 99.2	99.2
≥ 2500 ≥ 2000	97.8 97.8	99.2		99.3	99.4	99,5		99.5	99.4 99.5		99.5	99.5		99.5		99.6
≥ 1800 ≥ 1500	97.8 97.8	99.2	99.3	99.4	99.5 99.5	99.5		99.5 99.5	99.5 99.5	99.5	99.5	99.5 99.5	99.5 99.5	99.5		99.6
≥ 1200 ≥ 1900	97.9 97.9	99.2	99.4 99.4			99.5 99.5		99.6			99.6		99.6 99.6	99.0	99.6	99.6
≥ 900 ≥ 200	97.9 97.9	99.3 99.3	99.4		99.6	99.6 99.7	99.3			99.7 99.8		99.7 99.8	99.7 99.8		99.9	99.9
≥ 700 ≥ 600	97.9 97.9	99.3	99.4	99.6	99.8	99.8 99.8	99.9	99.9	99.9	99.9	99.9		99.9	99.9	100.0	100.0
≥ 500 ≥ 400	97.9 97.9	99.3	99.4				99.9	99.9	99.9		99.9		99.9	99.9	100.0	100.0
≥ 300 ≥ 200	97.9		99.4	99.6	99.8	99.8	99,9	99.9	99.9		99.9	99.9	99.9	99.9		100.0
≥ 100 ≥ 0	97.9 97.9					-	99.9		99.9							100.0 100.0

TOTAL NUMBER OF OBSERVATIONS....

2091

SKY COVER SUMMARY

The individual increments formerly reported in total sky cover of airways observations are no longer available from the source data from Jan 71 and later. Increments reported after 1970 are clear, scattered, broken, overcast, partial obscuration and obscured (0, 3, 9, or 10). Therefore, the sky cover summary for this station is limited to the period through Dec 70.

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#### PART D

#### SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: #1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.
- NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	5 6
5 6	8
7	9
8 (or obscured)	10

DATA PROCESSING BRANCH ETAG/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

23104

WILLIAMS AFB ARIZONA/CHANDLER

STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER MEAN TOTAL HOURS (L.S.T.) MONTH TENTHS OF 0 1 2 9 SKY COVER OBS. JAN ALL 41.1 5.0 5.2 4.1 3.6 2.5 3.5 3.9 5.4 4.5 21.3 4.0 16043 FE8 43.3 5.3 5.0 4.5 3.1 2.7 3.6 4.2 5.4 4.0 19.0 3.8 14141 39.5 MAR 6.1 5.7 4.9 3.8 3.2 3.8 4.2 6.0 4.1 18.7 3.9 15299 APR 48.0 6.5 15560 5.9 4.8 4.1 2.9 3.4 4.4 4.8 3.1 12.2 3.1 MAY 55.4 6.8 5.7 4.5 3.5 2.5 4.5 16409 3.4 4,1 2.8 0.9 2.4 7.3 JUN 63.3 5.1 4.1 3.4 2.3 2.7 2.7 3.3 2.0 3.9 1.7 16025 JUL 22.7 8.5 8.5 7.3 6.3 5.4 5.5 7.0 8.8 6.3 13.8 4.5 16448 AUG 28.9 8.3 8.2 7.4 4.7 4.5 8.2 5.6 4.0 6.4 6.3 11.6 16529 SEP 55.0 8.3 6.4 5.3 4.2 3.0 3.3 3.6 3.5 2.2 5.3 2.2 15801 DCT 57.1 5.5 6.8 4.6 3.5 2.4 3.3 3.4 4.0 2.6 6.9 2.3 16159 NOV 52.2 6.2 5.3 4.1 3.2 2.4 3.2 3.9 4.6 3.6 11.6 2.8 15314 15564 45.1 5.1 DEC 5.4 5.3 4.3 3.2 2.4 4.3 3.6 3.8 17.6 3.6 46.0 5,3 3.2 6.7 6.0 3.0 3.7 4.3 189292 5.0 4,0 3.8 12.4

FORM 0-9-5 (OL A) USAFETAC

**SKY COVER** 

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

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FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	""Y COVER	OBS
NAL	00-02	53.6	3.2	5.5	3.2	3.7	1.7	2.9	3.9	3.4	2.2	16.7	3.1	1608
	03-05	55.1	2.5	4.0	4.2	3.5	2.0	2.6	3.1	4.2	1.8	16.9	3.0	1816
	06-08	40.7	4.8	6.0	4.4	3.1	3.0	3.6	4.0	5,3	4.0	21.1	4.0	2148
	09-11	33.4	6.8	4.8	4.0	3.5	2.8	2.9	4.1	4.5	6.5	26.8	4.6	2246
	12-14	31.0	6.4	4.5	4.1	3.8	2.9	3.9	3.3	5.4	7.5	27.2	4.9	2258
	15-17	28.8	7.0	5.6	3.8	3.3	2.9	3.8	3.9	7.2	7.1	26.8	5.0	2211
	18-20	36.8	5.8	5.4	4.6	4.4	2.8	5.0	5.0	7.2	4.1	18.9	4.1	2033
	21-23	49.0	3.5	5.6	4.5	3.7	2•1	3.5	3.7	5.8	2.6	16.1	3.3	1723
							!							
10	)TALS	41.1	5.0	5,2	4.1	3.6	2.5	3.5	3.9	5.4	4.5	21.3	4.0	16043

DATA PRUCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

WILLIAMS AFB ARIZONA/CHANDLER 23104

46-70

FEB

STATION

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STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

момтн	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
FES	00-02	58.9	2.8	4.1	3.6	2.4	1.4	2.4	2.6	4.0	1.4	16.7	2.8	1404
	03-05	56.5	2.9	4.4	3.5	2.8	2.0	2.6	3.8	4.0	1.6	15.9	2.9	1595
	06-08	42.2	5.9	5,8	4.3	3.8	3.0	4.2	3.8	5.4	4.7	16.9	3.7	1901
	09-11	38.0	6.8	4.4	4.9	3.2	2.9	3.8	5.3	5.5	5.7	19.7	4.1	1995
	12-14	32.1	6.7	6.5	4.8	2.7	3.9	3.2	4.6	7.1	6.2	22.1	4.5	2007
	15-17	28.5	7.3	5.3	5.5	4.0	3.5	4.1	5.1	6.5	6.2	23.8	4.8	1964
	18-20	37.0	6.0	5.3	5.3	3.3	2.6	5.4	5.2	6.3	4.0	19.6	4.1	1780
	21-23	52.8	3.7	4.2	3.7	2.7	2.4	2.9	3.5	4.2	2.4	17.5	3.2	1495
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	<u></u>											ļ		
10	TALS	43.3	5.3	5.0	4.5	3.1	2.7	3.6	4.2	5.4	4.0	19.0	3.8	14141

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLFTE. USAFETAC

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

**SKY COVER** 

23104

WILLIAMS AFE ARIZONA/CHANDLER

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STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	08\$
MAR	00-02	53.4	3.9	4.6	4.5	2.4	2.6	2.7	3.2	5.2	2.5	15.1	3.0	1488
	03-05	51.6	3.3	4.7	5.9	4.3	2.8	3.1	3.2	4.3	2.1	14.8	3.0	1707
	06-08	37.5	7.0	6.6	4.6	3.5	3.1	2.9	4.9	6.4	4.5	18,9	4.0	2050
	09-11	35.2	8.5	5.5	4.3	2.9	3.3	3.5	3.9	5.9	6.1	20.7	4.2	2171
	12-14	28.9	8.0	5.8	4.5	4.8	4.5	5.0	4.8	6.9	5,5	21.3	4.6	2183
	15-17	25.4	7.8	6.5	5.5	4.6	4.9	4.6	5.8	6.4	5.9	23.5	4.8	2126
	18-20	34.7	6,9	6.2	5.3	4.1	3.1	4.1	4.6	7.3	4.0	19.7	4.2	1922
	21-23	49.4	3.1	5.9	4,8	4.1	2.5	4.2	3,3	5.4	1.9	15.3	3.2	1652
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10	TALS	39.5	6.1	5.7	4.9	3.8	3.2	3.8	4.2	6.C	4.1	18.7	3.9	1527

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DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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монтн	HOURS				PERCENTAGI	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TCTAL NO. OF
MONTH	(L,S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085
APR	00-02	64.6	3.7	4.7	3.5	2.4	1.7	1.6	3.1	3.3	1.7	9.7	2.1	1530
	03-05	59.0	4.1	5.9	4.2	2.5	2.2	3.0	3.3	3.6	2.1	10.0	2.4	174
	06-08	47.0	7.9	5.2	5.0	3.6	2.7	3.1	4.7	5.0	3.4	12.4	3.1	208
	09-11	45.6	8.6	5.8	4.2	3.4	3.2	3.2	4.2	4.8	3.9	13.2	3.2	218
	12-14	37.6	8.3	6.1	5.3	5.1	3.6	3.4	5.8	6.3	4.3	14.2	3.7	2199
	15-17	34.8	7.7	6.9	5.0	5.6	4.0	4.1	6.4	5.9	4.3	15.2	3.9	214
	18-20	38.9	6.9	6.1	5.6	5.8	3.3	5.4	4.8	6.2	4.0	12.9	3.6	1984
	21-23	56.2	4.6	6.5	5.2	4.3	2.6	3.0	3.1	3.6	. 8	10.1	2.4	168
10	TALS	48.0	6.5	5.9	4.8	4.1	2.9	3.4	4.4	4.8	3.1	12.2	3.1	1556

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MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085.
MAY	00-02	69.4	4.0	5.0	3.7	2.6	1.3	2.1	2.7	3.℃	•9	4•6	1.5	1685
	03-05	66.1	4.9	4.9	3.4	3.2	2.6	2.2	3.4	3.0	1.6	4 • 8	1.7	1870
	06-08	53.9	8.1	4.9	4.4	2.8	2.0	4.0	4.1	4.8	3.7	7•3	2.5	2171
	09-11	54.2	6.1	4.9	5.1	2.9	2.6	4.3	4.3	4.7	3.4	7.5	2.5	2276
	12-14	47.9	8.1	6.6	4.6	0	2.9	3.5	4.5	5.3	4.1	8.4	2.8	2272
	15-17	45.0	8.8	6.6	4.6	4.1	3.4	3.7	4.6	5.6	3.7	9.9	3.0	2215
	18-20	45.8	8.9	6.3	5.7	4.5	2.9	3.8	5.1	6,3	3.3	7.3	2.8	2064
	21-23	60.8	5.3	5.4	4.1	4.1	2.3	3.6	3.9	3,.	1.6	5.3	2.0	1850
10	TALS	55.4	6.8	5.7	4.5	3.5	2.5	3.4	4.1	4.5	2.8	6.9	2.4	1640

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. DATA PRUCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

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MONTH	HOURS				PERCENTAGI	FREQUE'IC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
JUN	00-02	74.1	4.7	3.9	3.0	3.1	1.3	1.6	1.8	1.7	.7	4 • 2	1.2	1634
	03-05	67.7	6.4	5.1	4.0	3.0	1.9	1.9	1.9	2.9	1.5	3.5	1.5	1820
_	06-08	60.0	9.8	5.3	4.3	2.9	2.4	2.5	3.0	4.2	2.0	3.6	1.8	2116
	09-11	62.8	7.6	5.1	4.0	3.6	2.3	2.7	2.3	3.3	1.9	4.4	1.8	2215
	12-14	59.2	8.3	6.3	4.2	3.5	2.3	3.1	3,4	3.5	2.5	3.7	1.9	2215
	15-17	56.2	9.6	5.5	5.0	4.2	3.2	3.5	2.7	3.6	2.8	3.8	2.0	2158
	18-20	57.5	7.6	4.9	3.9	4.0	2.9	3.4	3.5	4.6	3.0	4.6	2.1	2013
	21-23	63.7	4.1	4.6	4.1	3.2	2.4	2.8	3.0	2.4	1.3	3.5	1.5	1854
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10	TALS	63.3	7.3	5.1	4.1	3.4	2.3	2.7	2.7	3.3	2.0	3.9	1.7	16025

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MONTH	HOURS				PERCENTAGI	E FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
JUL	20-02	32.4	6.0	6.3	5.8	5.0	2.8	5.5	5.9	6.9	4.9	18.5	4.3	1696
	03-05	27.2	7.2	7.2	6.1	5.7	4.1	5.6	7.6	8.7	6.1	14.5	4.4	1863
	06-08	16.9	8,4	7.8	7.0	6.7	5.7	5.6	7.4	11.7	8.2	14.5	5.0	2166
	09-11	23.7	10.4	8.8	6.7	6.4	6.0	5.9	7.2	7.9	6.4	10.4	4.2	2269
	12-14	24.2	11.0	11.3	10.1	7.6	6.4	5.2	6.9	6.6	4.0	6.8	3.6	2262
	15-17	18.0	11.5	11.7	9.3	7.8	8.3	5.4	7.2	8.2	5,3	7.3	4.0	2193
	18-20	15.8	. 7.6	6.9	6.7	5.8	5.7	5.7	7.7	11.7	9.9	16.5	5.3	2083
	21-23	23.5	5,7	7.6	6.4	5.6	4.4	5.0	5.7	9.0	5.3	21.8	4.9	1916
10	TALS	22.7	8.5	8.5	7.3	6.3	5.4	5.5	7.0	8.8	6.3	13.8	4.5	16448

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

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MONTH	HOURS				PERCENTAG	E FREQUENC	Y OF TENTH	IS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(£ S.T.)	0	1	2	3	4	•	6	7	8	9	10	SKY COVER	OBS
AUG	00-02	41.2	5.2	6.0	4.5	4.6	2.6	3.9	4.5	7.0	3.5	16.9	3.7	1674
	03-05	37.1	7.4	6.9	6.4	4.9	3.3	5.3	5.9	7.2	4.0	11.7	3.6	1871
	06-08	25.0	8.8	8.2	6.6	5.7	4.2	4.0	8.0	9.3	7.9	12.2	4.4	2198
	09-11	30.9	8.8	8.8	7.5	6.6	4.5	4.3	6.0	9.0	5.7	8.0	3.7	2300
	12-14	25.0	11.7	12.1	10.3	7.6	6.6	4.6	6.4	6.9	4.1	4.7	3.4	2288
	15-17	18.3	11.6	12.1	11.5	9.5	7.4	4.0	6.3	9.1	5.4	4.8	3.8	2220
	18-20	20,6	7.2	6.5	7.4	6.7	4.6	5.7	7.1	9.5	8.7	16.2	4.9	2103
	21-23	32.8	5.6	5.2	4.6	5.8	4.4	4.2	6.0	7.6	5.5	18.2	4.4	1875
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τo	TALS	28,9	8.3	8.2	7.4	6.4	4.7	4.5	6.3	8.2	5.6	11.6	4.0	16529

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTA	(L.S.T.)	0	1	2	3	4	5	ć	7	8	9	16	SKY COVER	085
SEP	00-02	67.8	5.0	4.3	3.2	3.2	2.2	3.4	2.2	2.5	1.3	5.0	1.6	1610
	03-05	65.3	6.3	5.4	3.9	3.7	2.2	2.1	3.2	2.1	1.3	4.4	1.6	1787
	06~08	50.6	9.7	7.2	6.3	4.4	2.9	3.8	3.8	3.8	1.9	5.5	2,3	2090
	09-11	54.8	8.9	6.1	5.3	3.6	3.0	3.1	4.0	3.1	3.0	5.1	2.2	2196
	12-14	48.9	10,2	8.7	6.4	5.0	3.1	3.1	3.7	3.7	2.7	4.6	2.3	2190
	15-17	42.4	11.7	8.6	7.9	4.9	4.9	3.0	3.9	5.0	2.6	5.0	2.6	2129
	18-20	48.7	9,4	5.9	4.8	4.6	3.2	4.5	5.1	4.6	2.6	6.7	2.6	2012
	21-23	61.4	5.3	4.8	4.8	4.0	2•2	3.1	3.2	3.3	1.9	6.0	2.0	178
	TALS	55.0	8.3	6.4	5.3	4.2	3.0	3.3	3.6	3.5	2.2	5.3	2.2	1580

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVAT; NS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
OCT	00-02	69.4	3.7	5.1	3.9	2,8	.8	2.2	2.5	2.7	• 8	6.1	1.6	1581
	03-05	68.2	3.8	4.4	3.9	2.1	1.4	2.8	3.1	1.9	1.4	6.8	1.8	1802
	06-08	53.4	6.9	5.7	4.4	3.9	3.4	3.0	4.5	4.2	3.7	6.8	2.5	2164
	09-11	52.8	6.4	5.7	4.3	3.2	2.6	4.0	4.5	5.1	3.8	7.6	2.6	2282
	12-14	48.1	8.6	5.6	5.8	4.7	2.8	3.8	4.2	5.9	3.0	7.6	2.7	2300
	15-17	45.1	10.7	6.6	5.3	4.3	3.1	4.4	3.8	5.5	3.7	7,3	2.8	2226
	18-20	54.6	8.5	5.8	5.2	3.9	2 • 2	3.3	2.9	3.9	8 ء ـ	6.9	2.3	2051
	21-23	65.4	5,5	4.8	3.9	3.1	2.5	2.7	1.9	2.9	1.5	5.8	1.8	1753
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10	TALS	57.1	6.8	5.5	4.6	3.5	2.4	3.3	2.4	4.0	2.6	6.9	2.3	16159

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
VOV	00-02	66.3	3.9	4.3	3.2	2.2	1.9	3.C	2.1	3.5	1.5	8.0	2.0	1526
	03-05	64.2	3.1	5.6	3.0	2.7	1.7	3.0	2.8	4.3	1.4	8.3	2.1	1727
	90-08	49.7	7.4	5.4	5.2	3.5	2.2	2.8	3.0	4.0	4.5	12.3	2.9	2050
	09-11	44.1	8.1	5.6	4.3	2.8	2.1	3.1	4.1	5.6	5.5	14.8	3.4	2161
	12-14	41.5	7.1	6.1	4.4	3.4	3.4	2.3	5.5	6.3	5.5	14.5	3.6	2176
	15-17	39.2	8.1	5.8	4.5	3.8	3.1	4.1	5.7	5.3	5.6	14.9	3.7	2120
	18-20	49.8	7.1	5.3	4.4	3.5	2.9	3.7	4.8	4.2	3.0	11.3	2.9	1922
	21-23	62.5	4.4	4.3	3.4	3.9	1.7	3.6	2.9	3.3	1.3	8.7	2.1	1632
													<u> </u>	
10	TALS	52.2	6,2	<b>5.</b> 3	4.1	3.2	2.4	3.2	3.9	4.6	3.6	11.6	2.8	15314

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN TENTHS OF	TCTAL NO OF
MONIN	(L S.T.)	0	1	2	3	4	5	6	7	8	۶	10	SKY COVER	085
DEC	00-02	57.7	3.1	5.7	4.1	3.4	1.6	2.9	2.3	3.0	2.4	13.0	2.0	1576
	03-05	58.9	2.9	4.2	3.8	2.4	1.8	3.0	3.0	3.5	1.6	15.0	2.7	1750
	06~08	43.4	6.1	6.3	4.4	3.6	2.6	3.3	3.9	5.1	4.5	16.9	3.6	2079
	09-11	37.4	7.7	5.9	3.8	3.5	3.0	3.0	3.9	6.4	5.9	19•6	4.1	2220
	12-14	34.4	7.2	4.9	4.1	3.5	3.0	4.2	4.2	6.7	6.2	21.6	4.4	2231
	15-17	31.9	7.3	5.5	4.3	3.2	2.0	3.6	4.8	6.ò	6.9	23.9	4.6	2155
	18-20	42.5	5.6	5.4	4.4	3.2	2.9	4.0	4.9	<i>3</i> •5	4.0	17.6	3.7	1879
	21-23	54.5	3.6	4.7	5.1	2.8	2.2	4.9	3.1	3.2	2.7	13.1	2.8	1674
10	TALS	45.1	5.4	5.3	4.3	3.2	2.4	3.6	3.8	5.1	4.3	17.6	3.6	15564

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#### PART E

#### SYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, s'andard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours end years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the part 20047 of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bot'om left of the forms. These consist of the sum of squeres  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma_X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables: DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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ť. DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23104 42-74 ALL. WILLIAMS AFB ARIZONA/CHANDLER MONTH STATION NAME PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Foin 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31  $\overline{1}$ 118/117 116/115 • 0 8 26 26 114/113 .0 112/111 128 128 430 430 110/109 1 920 920 108/107 • 0 .4 1998 1998 106/105 •0 • 1 .8 104/103 .0 1.0 2980 2980 1 3958 3964 10455 102/101 .0 .1 • 3 1.0 100/ 99 98/ 97 . O .0 . 3 • 4 . 3 .9 5058 5062 15517 . 1 5691 5697 • 0 • 3 .9 96/ 95 **(**. 6509 6519 .8 6689 6700 .6 7077 7082 94/ 93 92/ 91 • 3 .3 90/ 89 •0 • 5 7737 7745 88/ 87 7699 7710 . 2 . 2 8479 8493 86/ 85 . 3 8511 8524 8884 8900 84/ 83 • 0 82/81 •5 .5 .1 • l 80/ 79 9336 9353 50 • 6 • 2 •0 .0 .0 78/ 77 . 2 • 1 8498 8521 454 8647 8662 3209 45 76/ <u>75</u> 74/ 73 • 6 312 . 1 . 1 8172 8188 8666 . 6 • 1 • 0 • l 72/ 71 8022 804112467 1302 .0 • 0 70/ 69 8235 824212649 2619 . 1 • 1 .0 68/ 67 66/ 65 64/ 63 8169 818310329 3652 .0 • 0 8093 8104 9663 5156 . 8 •0 •0 • 0 .0 7863 7876 10235 6200 .7 . 2 a • 0 .0 62/ 61 7956 796211052 6528 . 6 60/ 59 . 5 • 0 8207 8216 12227 6440 .0 • 0 7776 778812608 6113 58/ 57 • 1 .6 . 3 7729 773514164 6195 56/ 55 . 6 • 0 • 0 • 0 54/ 53 7345 735515164 6494 . 2 7040 705415588 6954 52/ 51 . 1 • 0 No. 05s. Mean No. of Hours with Temperature Element (X) CAN THE USAFETAC ±0 F ≤ 32 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANULER ALL 23104 42-74 YEARS MONTH STATION STATION NAME PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 . 2 | 3 . 4 | 5 - 6 | 7 . 8 | 9 . 10 | 11 - 12 | 13 . 14 | 15 - 16 | 17 . 18 | 19 . 20 | 21 - 22 | 23 - 24 | 25 . 26 | 27 - 28 | 29 - 30 | z 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point .5 7044 705115714 7726 50/ 49 • 0 • 1 48/ 47 6446 645114473 8303 5875 58811346910139 4709 471511795 1638 46/ 45 .6 • 0 • 0 44/ 43 • 0 ۰0 • 0 3935 9816 3041 42/ 41 • 1 3925 • 3 • 2 40/ 39 38/ 37 3380 3382 81351 7772 2574 2579 64271 .340 .0 36/ 35 1884 1889 485915554 34/ 33 32/ 31 1177 1181 35071 9450 • 0 739 742 245714140 30/ 29 . 1 498 505 160212468 .0 • 0 • Q • 1 217 877 9149 28/ 27 213 • () • 0 26/ 25 .0 129 129 421 9605 24/ 23 • d • C 49 49 262 7382 123 5857 31 22/ 21 • 0 31 20/ 19 18/ 17 8 8 58 3814 26 3448 •0 7 2503 16/ 15 14/ 13 1817 12/ 11 1381 9 10/ 886 8/ 786 539 6/ 340 2/ 192 0/ -1 106 54 -2/ -3 -4/ -5 55 -6/ -7 24 g -8/ -9 13 -10/-11 6 -12/-13 -18/-19 10 to 12 Element (X) ΣX² No. Obs. Mean No. of Hours with Temperature SAFETAC ≥ 67 F ≥ 73 F ≥ 80 F ± 0 F ≤ 32 F Dry Bulb Wet Bulb

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

FORM 0.26-5 (OLA)

USAFETAC

### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

STATION STATION NAME

PAGE 3 ALL
HOURS (L. S. T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.5	3.9	5.4	6.0	6.5	7.1	7.3	7.6	7.8	7.6	7.2	€.4	5.7	4.8	4.2	3.6	8.2	2	42915	2	42546
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Element (X)		ΣX²		<u></u>	Σχ		X	<b>₹</b> 2		No. Ol								h Tempero			
Rel. Hum.			2526·C		2956	16		21.0	38	2425	29	⊴ 0	F	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb	13	0775	255 <sub>U</sub>	17	2593	11.2	71.1	18.3	13	2420	15							\$105.		•0	8760
Wet Bulb			6610		2261			11.5		235	7			18.3					6		8760
Dew Point	4	3980	329	9	7517	28	40.2	14.0	28	2 7	_	9	.827	30.9	278	.4	12.6		1		8760

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER JAN 23104 43-74 YEARS STATION STATION NAME MONTH **(**; PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL £. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 10 84/ 83 .0 • 0 • 0 •0 10 82/ 81 .0 80/ 79 28 • () 28 • 1 • 0 78/ 77 49 49 75/ 75 • 2 • 2 • 1 124 124 • 1 • 1 170 170 74/ 73 • 0 72/ 71 284 284 403 403 70/ 69 . 0 496 496 68/ 67 66/ 65 613 614 • 3 64/ 63 739 739 834 834 62/ 61 73 60/ 59 969 970 10 1.1 • l 58/ 57 1.0 1047 1047 121 1.0 • 0 1165 1165 290 64 55 1.1 56/ 1.2 1.0 • 0 54/ 53 655 69 1201 1201 1.2 1.2 • 3 1249 1249 1187 1424 1424 1695 52/ 51 . 2 126 1.1 • 9 50/ 49 1695 237 1467 1467 1911 1.1 1.7 351 48/ 47 .0 1410 1410 2114 1279 1279 2078 46/ 45 562 1.3 1.6 44/ 43 •4 1.3 . 0 1140 1140 1972 42/ 41 1190 • C 1.5 40/ 39 1.3 1.0 1061 1061 1823 1470 38/ 37 826 1580 1521 826 720 1268 1729 35 36/ 720 34/ 33 419 419 1036 1611 31 302 754 32/ 302 1550 564 1528 30/ 29 229 229 a 28/ 27 .2 106 106 317 1200 26/ 25 . 1 72 72 168 1205 36 982 24/ 23 .0 .0 36 135 22/ 21 27 27 82 839 19 42 606 20/ .0 • 0 18/ 17 25 472 ZX X Mean No. of Hours with Temperature Element (X) No. Obs. ≥ 93 F Total Rel. Hum. ± 0 F ± 32 F 267 F | 273 F | 280 F Dry Bulb Wet Bulb

Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74 JAN YEARS MONTH ALL HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B.√W.B. | Dry Bulb | Wet Bulb | Dew Point Temp. (F) 315 16/ 15 6 273 14/ ľ 12/ 11 191 150 10/ 9 3/ 160 1 155 6/ 41 3 109 93 2/ 0/ -1 63 33 -2/-3-4/ -5 28 -6/ -7 13 -8/ -9 4 -10/-11 TOTAL 2. 12. 514. 414. 613. 110. 9 5. 9 7. 0 6. 4 4. 2 2. 9 1. 5 19926 • 5 . 2 • 1 19928 •0 19926 19926 (. ã ਹੁ 0.26-5 Element (X) ZX No. Obs. Mean No. of Hours with Temperature ZX 53.322.933 50.410.790 1062867 267 F 273 F 59.0 14.9 67172655 19926 ± 32 F 50F

USAFETAC

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29.2

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

FORM 0.26-5 (OLA)

### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74

STATION STATION NAME

PAGE 1 ALL
HOURS (L. S. T.)

Rel. Hum. = 0F = 32F = 67F = 73F = 80F = 93F Total	Temp.											SSION (							TOTAL		TOTAL	
90/ 89	(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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Element (X)		ļ		• 2	• q	• 0				(	[				į l							
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Dry Bulb Wer Bulb	Element (X)		Σχ¹			Σχ		X	<b>₹</b>		No. OL	s.				Mean N	o. of H	ours wit	Yemperat	ure		
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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER FEB 43-74 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 24/ 23 . 0 • 0 66 852 22/ 21 20/ 19 14 630 420 41 495 18/ 17 16/ 15 461 14/ 13 <u>3</u>70 12/ 11 318 10/ 9 203 8/ 170 132 4/ 3 74 23 €. 0/ <del>-2/ -3</del> -4/ -5 9 -6/ -7 -8/ -9 9 8.411.712.811.910.7 9.4 8.3 7.3 6.0 4.9 3.5 TOTAL 2.3 17658 17567 17567 17567 **(**: ã õ 0.26.5 FORM JUL 64 No. Obs. Mean No. of Hours with Temperature Element (X) CS CS USAFETAC 47.322.624 54.511.455 17567 831510 48349168 ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ≤ 0 F Total 24838172 35366974 672 Dry Bulb 963026 17658 12.9 111.2 44.9 778078 44.3 7.175 17567 44.2 672 Wet Bulb .0 19569843 556167 31.710.568 17567 .8 332.2 672 Dew Point

DATA PROCESSING BRANCH 2 USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER MAR 42-45,47-74 YEARS €. PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | **≥** 3; 94/ 93 .0 92/ 91 €. 90/ 89 88/ 87 40 40 • 0 • ] .0 .0 .0 83 83 •1 86/ 85 •0 . 2 152 152 • 1 €. 219 219 84/ 83 • 0 82/ 81 •0 •0 369 369 • 1 •6 80/ 79 499 499 .9 .6 €, 577 577 78/ 77 .0 • 9 689 689 76/ 75 .0 . 5 . 1 -6 763 .0 763 74/ 73 . 8 ,01 ( 72/ 71 816 816 1.1 921 921 70/ 69 . 8 .0 964 964 68/ 67 . 3 €. 66/ 65 1.3 1.0 982 984 3 •0 • 0 . 8 i4 1035 1035 64/ 63 •0 1125 1125 42 62/ 61 • 0 1.0 1.1 • 3 60/ 59 1192 1192 1.0 246 . 8 22 58/ 57 1.2 1.2 1227 1227 662 56/ 55 .6 1.2 1.4 . 1 1284 1287 1283 27 1237 1237 54/ 53 1947 1.0 1.2 1.2 •0 66 52/ 51 1.1 1.1 1.1 1158 1159 2170 159 1151 1151 2299 1007 1007 2268 50/ 49 301 .0 1.1 1.2 1.2 • 6 • 0 48/ 47 386 1.0 . 6 1.1 46/ 45 . 8 ,9 1.1 888 888 2301 702 • 0 551 551 1983 992 44/ 43 ( 42/ 41 404 404 1630 1241 40/ 39 276 1196 1536 276 819 1516 38/ 37 204 204 ē 532 1714 293 1591 36/ 35 34/ 33 •d 104 104 . 1 68 68 32/ 31 193 1582 26 26 30/ 29 • 0 88 1458 . 0 6 .0 6 47 1157 28/ 27 5 Element (X) Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 280 F ± 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74 MAR STATION STATION NAME MONTH PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 26/ 25 .0 • 0 6 6 12 1213 7 983 24/ 23 22/ 21 866 20/ 19 560 13/ 17 548 413 14/ 13 269 220 12/ 11 ( 10/ 160 153 7 8/ 6/ 5 70 58 4/ 3 26 2/ 1 16 0/ -1 -2/ -3 10 -4/ -5 11 -6/ -7 6  $\frac{-8/-9}{-10/-11}$ 2 1 -1.2/-13 20042 20049 TOTAL 8.6 9.810.210.1 9.3 8.7 7.6 6.4 5.7 4.5 3.5 2.0 1.0 20043 20043 € 0.26.5 (OL A) No. Obs. Mean No. of Hours with Temperature Element (X) Ex Ŧ USAFETAC 805984 41657294 40.221.463 Rel. Hum. 20031 1 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 20049 75021769 1203667 60.011.729 1.7 226.6 126.3 744 Dry Bulb 13.1 941353 47.0 5.330 31.9 9.840 744 45015193 Wet Bulb 20043 •0 639848 22367704 20042 1.8 363.2 744 Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-74 APR STATION NAME MONTH ( PAGE 1 ALL HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 D.B./W.B. Dry Bulb Wet Bulb Dew Point ≥ 31 102/101 1 1 • 0 100/ 99 98/ 97 . Q 51 51 .0 •0 96/ 95 94/ 93 131 .0 .6 199 200 . 8 .0 . 1 • 0 .1 92/ 91 90/ 89 .0 •0 ..0 318 318 427 427 • ગ • 1 •9 88/ 87 533 533 .6 .6 86/ 85 84/ 83 82/ 81 651 651 • 0 1.0 • 4 .6 1.0 828 828 • 0 838 838 • 3 • 3 1.1 1.1 • 1 80/ 79 963 964 78/ 77 958 958 • 0 1.2 1.1 1.0 76/ 75 74/ 73 1031 1031 1031 1031 1.3 1.2 • 0 72/ 71 1.4 1.2 1055 1055 1127 1127 1138 1138 21 70/ 69 1.1 • 0 1.3 68/ 67 . 1 48 1108 1108 66/ 65 1.1 1.5 74 1.4 • 1 • 6 • 0 64/ 63 62/ 61 1127 1127 1.4 194 1.1 1.4 1132 1133 625 . 6 . 1 60/ 59 1119 1119 1291 .9 15 58/ 57 • 0 975 1737 35 . 8 1.2 1.2 .0 .6 . 9 56/ 55 1.0 847 847 2274 32 669 2442 606 2461 54/ 53 • 1 . 8 669 140 52/ 51 606 241 50/ 49 . 1 485 2335 295 . 1 485 317 2024 48/ 47 317 433 a 225 1718 120 1118 46/ 45 .0 225 630 ತ 44/ 43 904 120 0.26.5 75 756 1154 42/ 41 • 1 • 0 • 0 40/ 39 37 37 488 1458 • 0 • 0 •0 . 0 10 291 1431 38/ 37 10 FOLK. 135 1635 Σχ' X •, No. Gts. Element (X) Mean No. of Hours with Temperature • ≤ 32 F ≥80 F | ≥93 F Rel. Hum. ≤ 0 F ≥ 73 F Dry Bulb Wet Bulb

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Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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				51	ATION N	AME					YEARS PAGE										ALL HOURS (L. S. T.)		
Temp.						WET	BULB T	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL			
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb				
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TOTAL	<u>• 1</u>	1.1	2.2	2.6	4.5	7.0	8.5	9,5	9.9	9.3	8.8	8.0	7.1	6.5	5.3	4.8	5.0	00167	20150	20147	20146		
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Element (X)		Σχ,	<u> </u>		z <sub>x</sub> 6061	45	x 30∙1	16 0		No. 0				- 40.5				h Tempero			Total		
Rel. Hum.			9498		3898		69.0	12.1	14	201 201		= 0		≤ 32 F	2 67 A O 3		× 73 F	160.	2 93 5 14		720		
Dry Bulb Wet Bulb			8481		0296		51.1			201				1.4		.8		· <del> </del>	<del></del>		720		
Dew Point			0016		6576		32.6			201			<del>- -</del>	57.0		•• -	• 1		·		720		

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUM 12 RRY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 23104 42-74 "IAY MONTH PAGE 1 ALL HOURS (L. S. T.) TOTAL TOTAL
D.B./W.B. Dry Bulb Wer Bulb Dew Point WET BULB TEMPER/TURE DEPRESSION (F) €. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 110/109 • 0 163/107 18 18 €. 106/105 48 48 • 2 104/103 24 8.4 102/101 152 152 100/ 99 98/ 97 Ű 294 294 .0 532 • 0 2.4 532 96/ 95 94/ 93 739 . 2 739 3.5 945 945 • 0 .1 .6 996 996 92/ 91 3.0 1137 1139 1052 1053 90/ 89 . 4 1.0 1.6 • 0 88/ 87 ( .7 ٠0 1.6 .3 1074 1075 86/ 85 1.1 1.7 . 6 • à 84/ 83 82/ 81 1062 1062 1125 1126 .0 • 0 1.3 1.5 .0 •0 . 8 . 8 1160 1161 80/ 79 1.1 1.6 1.2 •0 • U 1100 1106 1121 1124 78/ 77 .3 1.0 1.3 2 .0 . 2 1.4 •0 76/ .7 1.3 75 1.1 1.0 74/ 73 1067 1072 1.4 1.3 • 1 • 0 1127 1134 72/ 71 70/ 69 1093 1096 /1 1.0 1.6 .0 • 6 • 0 1.5 1.2 1049 1057 68/ 57 191 1002 1006 518 66/ 65 1.5 1.1 • 1 64/ 63 783 1292 11 .0 1.0 776 • 0 665 2139 12 62/ 61 • 0 .0 663 60/ 59 543 548 2654 25 376 2714 273 2568 58/ 57 373 44 .0 • q 56/ 55 272 . 2 114 54/ 53 171 2377 157 170 .0 .0 250 52/ 51 122 126 2104 507 49 • Q .0 70 1680 422 48/ 47 46 1115 525 • 0 .0 46 755 46/ 45 15 15 695 434 964 44/ 43 11 Mean No. of Hours with Temperature Eler ent (X) ≥ 67 F ≥ 73 F ≥ 80 F Rei. Hum. ± 0 F ≤ 32 F Total ≥ 93 F ory Butb Wet Bulb Dew Point

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DATA PRUCESSING BRANCH 2 **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC t. WILLIAMS AFB ARIZONA/CHANDLER MAY 42-74 ( ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL €. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Foin 42/ 41 40/ 39 3 3 238 1308 • 0 124 1652 38/ 37 .0 56 1858 36/ 35 34/ 33 31 2070 10 2198 32/ 31 2 2005 30/ 29 2 1625 28/ 27 26/ 25 1208 1151 24/ 23 851 22/ 21 20/ 19 18/ 17 621 354 305 16/ 14/ 13 142 93 10/ 42 8/ 37 5 6/ 2.5 7 4/ 1 2/ 1 0/ -1 TOTAL .6 1.0 1.8 3.7 5.9 8.2 9.5 9.7 8.9 8.7 7.7 7.7 7.2 18.5 21¢53 21119 21054 21054 ã õ 0.26.5 FOEW JUL 64 2 x 483366 Mean No. of Hours with Temperature Element (X) 23.012.339 14303174 21053 267 F 273 F 280 F 293 F Rel. Hum. ≤ 0 F £ 32 F Total 78.112.141 55.3 5.888 1648994 599.6 483.8 348.6 744 131868086 21119 Dry Bulb 65216933 21054 21053 744 Wet Bulb 1165209 9.6

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC 23104 STATION WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME 47-74 WET BULB TEMPERATURE DEPRESSION (F) TCTAL TOTAL

-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 231 | D.B./W.B. Dry Bulb | Wet Bulb | Dew

# PSYCHROMETRIC SUMMARY

JUN ALL HOURS (L. S. T.) PAGE 1

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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116/115	·																•0	4	4		
114/113	, ,											ļ			{	l i	• 0	10		,	
112/111											إ						. 3	58			
110/109					İ									l			•9				
108/107															0		1.4		291		
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96/ 95											•0	•0						1202			
94/ 93		!					-			• 0	• 0	• 2	. 3		• 7			1135	1135		
92/ 91									•0		• 1	• 2						1133			<u> </u>
90/ 89							!	.0	• 0	. 1	• 2	• 3						1167			
88/ 87							ļ	.0	.1	. 2	• 3	. 4	7		1.4				1082		
86/ 85		-					, .0		. 2		• 4	• 6							1195		į
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82/ 81		ļ			. 0			• 1	• 2	. 4	• 6	1.1			• 4			1102			ļ
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76/ 75			• 1		٥,0	•0	.0		• 3									933	933		
74/ 73		.0	•0	.0		•0			. 4	. 8	1.3							851	851	171	
72/ 71		• 0						• 2				ڌ .		•0				740			
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68/ 67		• (	.0	0.0			• 1	.2	.7	. 8	• 4		• 0					478		1683	
66/ 65		• 0																364	364		
64. 63		• 0																226		2582	150
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60/ 59	•0	<u> </u>		•0				.1										79		2468	
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56/ 55				<u> </u>	.0												<u> </u>	10		1659	
54/ 53					•0		•0	•0	•0	1	i							6	6	1259	
52/ 51		<u> </u>	<u> </u>		<u> </u>		<u> </u>	L												952	798
Element (X)	Σχi			Zχ		_	X		_	No. Ob	s.			М		Mean No. of Hours w		h Tempera	ture		
Rel. Hum.				_		_			_ _			⊴ 0	F ≤ 32 F		≥ 67	F	73 F	- 80 :	× 93	f	Total
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Dew Point								<b>!</b>			!.				i			ļ			

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** WILLIAMS AFB ARIZUNA/CHANDLER 42-74 HTHOM PAGE 2

																				HOURS (	L. S. T.)
Temp.							BULB 1											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
50/ 49				!									İ				[			597	
43/ 47						<u> </u>														354	
46/ 45		1		ì	Ì		]						İ							156	1254
44/ 43					[	Ĺ			<u> </u>		<u> </u>		L	<u></u>		<u> </u>	l			63	1514
42/ 41			[	Ī — —					[		i		[			[		ļ		11	1681
40/ 39					l								L		_	<u></u>	l			4	1896
38/ 37						[			[				T				[			l	1730
36/ 35													L			i	İ			<u> </u>	1630
34/ 33				1		<u> </u>			i				1							!	1508
32/ 31		_			l				<u> </u>	i	i					[			_		1281
30/ 29																					1004
28/ 27		Ì	}		ì	}			)	ì	] ]			l	]	]	1				553
26/ 25						Γ-	T														574
24/ 23			]		I	l		l _		Ì	Ĺ		]	]		]					368
22/ 21									T												210
20/ 19			İ	i L		1	l		İ	,	l		1	Į			İ				103
18/ 17				ļ			1			l – –											99
16/ 15		i							Ĺ					<u> </u>		l					49
14/ 13		1	1	[					ļ	[								Ī			26
12/ 11					l		l		i	l				l			l	į.			21
10/ 9		I	!		i		T	ļ		<u> </u>	i			T			1			1	10
8/ 7		ļ !	l	<u>i</u>	1			İ		l	L			i	i		l				16
6/ 5				1	1	[	[	[	Ţ		ļ — <del></del> -			T	[	Ţ	1	I			6
2/ 1		Ĺ	i	<u> </u>			ļ				<u></u>		<u> </u>	<u> </u>	ļ	!					2
TOTAL	• 0	• 1	• 3	•	3 • 4	• 5	1.0	2.3	4.9	7.5	9.2	9.6	8.9	7.9	8 . 7.	3.3			20526	•	20526
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Element (X)		• X'			Σχ		X	<u> </u>		No. O								h Tempera			
Rel. Hum.		1209	3014		4450			10.9		205		<u> </u>	F	≤ 32 F	≥ 67		₹ 73 F	> 80 F	≥ 93		Tr 1
Dry Bulb	1		4997		17803		86.7			205			_		689		24.7			• 2	720
Wet Bulb			4598		12456			6.0		205					126		8.0		1		720
Dew Point		3510	00793	ž	8248	379:	40.2	9.7	750	205	26			151.6	1 4	.0	• 0		i	1	720

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23104

# PSYCHROMETRIC SUMMARY

23104	WILLIAMS AFB ARIZONA/CHANDLER 42-74															JUL						
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																				HOURS (L. S. T.)		
Temp.	WEY BULB TEMPERATURE DEPRESSION (F) TOTAL  1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 17 20 21 22 23 24 25 26 27 28 29 30 23 1 D.B./W.B. Dry E															TOTAL Wet Bulb Dew Point						
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	1' 40	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30				Wet Bulb	Dew Point	
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114/113																	•1	11 50	1 <u>1</u> 1			
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108/107			<del></del>												•0	.0	2.0	421	421	<del>                                     </del>		
106/105	]		1		Ì			1			}	• 0	1	.0	. 1	.4	3.5	843	843	. 1	ľ	
104/103	<del></del>									<del> </del>			•0	- 1	. 4	1.1	3.5		1663	<del></del>		
102/101		İ	ł		;	ļ		j			• 0	• 0	1	4	1.3	1,6	2.7	1294	1300	.	. I	
100/ 99											•0	• 1	• 5	1.6	1.8	1.3	1.8		1485			
90/ 97		i				j	1		ļ	. O	• 0	. 4	1.3	. 7	1.5	.9	1.1	1445	1447	, ! } .		
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94/ 93					i			• 0	. U	• 2	1.1	1.6	1.4	1.0	• 5	. 3	• 3	1384	1386			
92/ 91							• 0	• 0	. 2	• 9	1.7	1.7	1.0	• 7	. 3	• 2	•1	1433	1433			
90/ 89							• 0	• 1	• 7	1.7	1.8	1.0	.7	• 5	• 3	.1		1431	1433			
88/ 87	;			]		• 0	• 1	. 5	1.4	1.7	1.2	• 8	• 5	• 3	• 2	. 1	•0		1418			
86/ 85						- 1	- 6	1.3	1.6	1.4	. 8	• 7	• 5	.3	•1	•0		1575	1578	<u> </u>		
84/ 83			ĺ	اٰہ	• 1	.6	. 9	1.5		• /	-6	• 4	• 4	• 1	• C			1364	1365	1	1.	
82/ 81				- · · ·	• 4	1.0	1.2	1.3	- 6	• 6	•4	• 3	<u> </u>	• 1	•0			1309	1311	1		
80/ 79 78/ 77	i		• 1	, 5 • 9	• 9	• 9	• 8	• 5	• 4	. 3	• 3	• 3	• 2	• 0	- 1	į		1085	1086	23 149		
6/ 75	•0	- 0	- 4	.5	- · 7	• 4	•2	.2	.2	• 2	• 2	• 1	- 1	•0				734 519	734 520	,	$\frac{1}{10}$	
74/ 73	• 4	• 1 • 2		. l	.0	.0		.0	.1	. 1	.1	• 1	0.0	• 0	ļ	1		229	229			
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56/ 55																					1548	
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52/ 51	1	ĺ										j		1	T			J		49		
50/ 49											, ,									17	860	
Element (X)		Σχ²			Σχ	_ _	X	<b>₹</b> x	_ _	No. Ob	•							Temperat				
Rel. Hum.												≤ 0 1	-   - =	32 F	≥ 67	F ≥	73 F	> 80 F	× 93 1	<u> </u>	Total	
Dry Sulb																				<del> </del>		
Wet Bulb									ļ				_									
Dew Point																		L	<u> </u>			

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 YEARS PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 × 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point fF, 48/ 47 46/ 45 44/ 43 713 628 523 42/ 41 431 411 38/ 37 36/ 35 278 36/ 192 34/ 33 131 32/ 31 80 30/ 29 28/ 27 39 13 26/ 25 19 24/ 23 6 22/ 21 3 20/ 19 20965 1.3 2.0 2.4 3.1 3.9 5.6 6.7 8.3 9.1 8.9 8.9 8.3 7.5 6.7 6.8 20987 TOTAL 20963 20964 THIS FORM 9 0.26.5 FORM JUL 64 No. Obs. Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F 743.9 737.1 668.8 343.4 32080705 742195 35.416.637 20962 Rel. Hum 50F ≤ 32 F Total 1917023 91.3 9.015 1453818 69.3 4.376 176812985 20987 744 USAFET, Dry Bulb 591.1 172.7 744 Wet Bulb 101221220 20964 Dew Point 70187805 1199165 57.2 8.729 20965 88.3 3.6 744

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAL 42-74 WILLIAMS AFB ARIZONA/CHANDLER AUG PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | ≥ 31 114/113 112/111 8 37 37 110/109 108/107 121 121 106/105 .2 1.7 408 408 2.1 713 104/103 . 8 713 1.2 1005 1005 102/101 . 0 . 1 . 7 1.1 1.7 100/ 99 1.4 1346 1347 . 8 1.7 1.0 1.3 • 1 98/ 97 1.7 . 6 1459 1463 . 8 1.6 1.1 96/ 95 94/ 93 . 8 .4 1505 1508 1.3 .7 1.4 1515 1518 .0 • 1 1.6 1.9 . 2 92/ 91 .1 1426 1427 1.8 . 4 0 1538 1542 90/ 89 • C 1.4 1.8 • 5 • 3 • 1 88/ 87 1.0 1.8 1456 1461 • 0 .0 86/ 85 1.6 1524 1529 1.6 • 3 1.8 1.1 . 6 • 5 • 1 • 0 • 0 1547 1555 84/ 83 1.8 1.1 1528 1535 1509 1515 1.5 1.3 82/81 1.7 . 8 . 3 • 0 . 1 •0 80/ 79 . 1 1.0 •5 78/ 77 1.1 . 7 . 2 • 0 1060 1069 276 • 1 1791 29 76/ 75 825 826 • 0 74/ 73 .0 455 457 4092 201 • 0 . 1 72/ 71 247 5122 792 243 • 0 103 4099 1415 103 70/ 69 •0 .0 . 1 • 0 44 2287 1890 68/ 67 .0 . 1 44 66/ 65 19 1367 2458 19 .0 • Q • 0 • 0 6 1002 2579 64/ 63 6 562 2497 62/ 61 1 60/ 59 373 1995 58/ 57 202 1648 ತ 121 1280 56/ 55 54/ 53 59 1047 557 52/ 51 50/ 49 695 1024 JEL 04 48/ 47 526 No. Obs. Mean No. of Hours with Temperature Element (X) X ≥67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F ≤ 0 F ≤ 32 F

Dry Bulb

Wet Bulb Dew Paint

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 AUG STATION NAME MONTH PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 46/ 45 427 44/ 43 319 42/ 41 262 40/ 39 190 38/ 37 136 77 36/ 35 34/ 33 42 32/ 31 16 30/ 29 13 28/ 27 26/ 25 4 2 22/ 21 21469 21399 TOTAL .2 1.2 2.5 3.0 3.7 5.3 6.6 8.0 8.8 8.9 9.0 8.3 7.9 7.0 5.9 4.5 9.1 21406 21406 0-26-5 (OL Element (X) ZX No. Obs. Mean No. of Hours wis.. Temperature 890085 41.617.828 Rel. Hum. 43845651 21398 ≥ 67 F ≥ 73 F × 80 F ≥ 93 F ≤ 0 F ≤ 32 F Total 89.3 8.849 70.0 4.213 60.0 7.834 1911017 21469 743.0 729.4 625.7 281.8 171736057 744 Dry Bulb 744 105200531 21406 614.8 214.8 Dew Point 78379695 1284191 21399 1.3 150.5 744

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SLRVICE/MAC 23104 SEP WILLIAMS AFB ARIZUNA/CHANDLER 42-74 PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 D.B./W.B. Dry Bulb Wet Bulb Dew Foin (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 114/113 .0 12 112/111 110/109 • 1 24 24 108/107 09 69 198 106/105 9 198 384 384 104/103 .7 563 563 102/101 1.9 100/ 99 831 831 • 4 2.0 98/ 97 .9 941 941 1.0 1.6 96/ 95 1.0 1.0 1.0 1.2 1126 1128 .7 1054 1054 94/ 93 1.0 92/ 91 .4 1144 1144 • 0 1.0 .2 1277 1277 .1 1208 1208 90/ 89 88/ 87 1.1 1.0 • 6 • 4 .0 . 2 .0 1275 1275 86/ 85 1.1 1.0 . 8 .1 1.0 . 9 .0 1233 1234 84/ 83 1.0 .9 82/ 81 1.0 • 5 • 1 1251 1252 • 2 80/ 79 . 8 1331 1333 .0 . 0 . 3 • 1 • 0 . 8 . 6 78/ 77 • 4 • 2 • 0 1238 1242 1.0 •0 . 8 76/ 75 1187 1191 192 4 • 0 21 741 73 . 8 •0 1071 1073 866 72/ 71 877 878 1902 97 70/ 69 721 721, 2690 277 499 68/ 67 . 2 514 514 2860 328 66/ 65 328 2739 882 64/ 63 188 188 2392 1064 125 1912 1200 125 62/ 61 .0 60/ 59 82 1563 1467 .0 81 34 1091 1464 58/ 57 34 • 0 • 0 .0 ē 820 1581 56/ 55 15 579 1596 339 1512 54/ 53 14 14 .0 .0 52/ 51 10 10 E 50/ 49 • 0 167 1432 FO.24 103 1256 48/ 47 žx Element (X) X ø, No. Obs. Mean No. of Hours with Temperature ≤ 0 F ± 32 F SAFET. Dry Bulb

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DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC €. WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B.W.B. Dry Bulb Wet Bulb Dew Point (F) 46/ 45 66 1241 44/ 43 18 1056 42/ 41 40/ 39 11 943 754 574 38/ 37 36/ 35 410 34/ 33 304 239 32/ 31 30/ 29 28/ 27 168 106 26/ 25 84 24/ 23 46 24 20/ 19 8 18/ 17 16/ 15 14/ 13 THIS FORM ARE DESCUETE 8 4 20329 20347 TUTAL <u>.8</u> 1.9 2.1 3.1 4.4 6.5 8.0 8.8 9.6 8.6 8.1 7.8 6.9 6.4 5.6 11.2 20329 REVISED MEVIOUS 0.26-5 (OL A) Z<sub>X</sub> 737349 No. Obs. Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F 691.7 617.0 471.6 184.2 32919449 Rel. Hum. 36.317.429 20329 10F ≤ 32 F Total 1718062 84.410.608 720 147359583 Dry Bulb 20347 302.0 38.1 24.4 31.8 .9 64.5 5.843 51.7 9.740 20329 20319 85346876 1311834 720 Wer Belb 56307973 1051417 720 Dey Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23104

### PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

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WILLIAMS AFB ARIZUNA/CHANDLER 42-74 OCT STATION NAME PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb 1-2 3-4 5-6 7-8 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 Wet Bulb Dew Point 104/103 11 102/101 100/ 99 •3 70 98/ 97 .0 130 130 96/ 95 . 1 • 8 303 307 •0 94/ 93 92/ 91 .9 454 459 .6 610 614 90/ 89 693 .5 691 .7 .6 88/ 87 .0 .0 . 9 . 6 812 816 86/ 85 902 907 .0 . 2 .9 •9 .3 .0 914 917 • 3 1.0 . 8 .0 941 82/ 81 946

80/ 79 78/ 77 1043 1049 . 8 1.2 1018 1021 •0 1.0 76/ 75 1.1 1177 1183 . 1 •1 74/ 73 . 5 1186 1191 23 . 1 • 0 .0 72/ 71 1.1 .6 .0 1174 1178 97 70/ 69 • 1 1330 1332 . 6 1.3 1.3 . 5 289 20 . 0 . 2 • () 1308 1311 68/ 67 . 8 1.0 586 0.9 66/ 63 1.0 1180 1181 1193 130 . 6 1.2 . 1 • 0 1090 1090 1672 178 1.0 62/ 61 1.0 1038 1038 2166 281 951 2498 50/ 59 58/ 57 951 422 • 0 573 671 671 2483 . 6 • 0 56/ 55 534 534 2244 786 . 3 • 1 • 0 381 1856 1077 381 1625 1174 52/ 51 304 304 . 2 •0 197 1327 1353 197 50/ 49 • 0 48/ 47 142 142 925 1448 • 1 689 1614 46/ 45 - 0 .0 89 89 44/ 43 484 1666 68 68 42/ 41 271 1599 172 1539 83 1301 15 40/ 39 .0 .0 15 • 0

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Element (X)

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC 2 AIR WEATHER SLRVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 OCT YEARS MONTH ALL PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 41 1279 16 1061 36/ 35 34/ 33 32/ 31 376 6 30/ 29 28/ 27 763 481 394 26/ 25 24/ 23 252 147 22/ 21 96 20/ 19 18/ 17 66 16/ 15 42 13 32 12/ 11 14 10/ 15 8/ 1 5 6/ 5 4/ ī 2.3 3.5 4.3 6.0 7.9 9.5 10.4 9.7 8.7 7.8 6.6 6.3 5.3 4.4 3.4 3.7 TOTAL 20768 20832 20769 20769 0.26-5 (OL A) No. Obs. Mean No. of Hours with Temperature Element (X) 38325699 38.518.983 800335 20768 247 F 273 F 280 F 293 F 504.9 368.5 230.9 35. Rel. Hum. 10F 72.811.929 56.4 6.735 42.8 9.916 113258584 1515830 744 Dry Bulb 20832

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€. DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER ΝО۷ 23104 47-74 YEARS MONTH €. PAGE 1 ALL HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL €. D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 92/ 91 .0 6 6 .0 • 0 90/ 89 • 0 €. 38/ 87 52 52 .0 86/ 85 84/ 83 115 · U 215 215 • 0 . 3 . 1 • 0 82/ 81 305 305 86/ 79 78/ 77 76/ 75 432 517 433 • 0 . 2 • 0 518 • C . 8 594 594 . 2 . 1 .0 .6 74/ 73 72/ 71 699 701 794 •0 70/ 69 821 823 68/ 67 881 884 . 8 1.0 • 0 1025 1027 66/ 65 64/ 63 1002 1007 40 • 1 1.2 • 6 • 0 1119 1120 188 62/ 61 . 8 60/ 59 58/ 57 1220 1221 1277 1278 1.1 • 1 . 8 . 8 . 8 509 28 1.1 1.3 • 0 918 67 • 6 • O 1.1 55/ 55 1.4 1292 1292 1614 155 1.0 1.3 1.1 1299 1300 1838 236 54/ 53 52/ 51 1.927 1229 1229 1.0 1.2 1.2 1.0 326 50/ 49 .9 1.0 1162 1163 2099 527 2030 1.0 972 48/ 47 1.0 972 684 ( 46/ 45 856 856 1963 936 44/ 43 590 590 1777 1059 • 1 470 470 1489 1360 40/ C 39 383, 1138, 1546 383 38/ 37 256 859 1566 256 619 1696 407 1469 36/ 35 158 158 34/ 33 32/ 31 76 715 275 1528 241 • 0 . 1 • 0 • 0 24 118 1330 30/ 29 28/ 27 48 989 • 0 12 1018 26/ 25 Element (X) No. Obs. Mean No. of Hours with Teripe sture USAFETAC Rel. Hum. 20F 1 32 F ≥ 67 F = 73 F ≥ 80 F = 93 F Total Dry Bulb Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 NOV MONTH PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 24/ 23 795 3 657 22/ 21 425 20/ 19 447 18/ 17 16/ 15 315 195 12/ 11 183 95 10/ 79 8/ 74 6/ 41 4/ 12 0/ -2/ -4/ -5 2 -6/ -7 -9/ -9 -10/-11 -18/-19 .7 5.7 7.9 8.711.412.211.010.0 8.2 6.4 5.7 4.7 3.4 2.2 1.2 19880 TUTAL 19902 19879 19879 ã 9 0.26.5 ΣX2 No. Obs. Mean No. of Hours with Temperature **∴** USAFETAC 44.021.398 59.211.609 47.3 6.999 874986 Toto 47614376 19879 267 F 273 F 280 F 293 F Rel. Hum. 10F ± 32 F 19902 72379938 1177762 940292 1.3 197.8 107.2 720 Dry Bulb 45450270 19879 16.7 720 Wet Bulb 25157716 677860 34.110.141 19880 1.0 297.9 720 Dew Point A STATE OF THE STA

DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC <u>23</u>104 WILLIAMS AFB ARIZONA/CHANDLER DEC 42-74 STATION STATION NAME ( PAGE 1 ALI. HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 30 31 D.B./W.B. Dry Bulb Wet Bulb Dear Point 84/ 83 82/81 .0 ( 80/ 79 .0 44 81 78/ 77 0 .0 81 76/ 75 165 165 74/ 73 258 258 72/ 71 .0 326 326 451 70/ 69 .0 451 08/ 67 579 579 66/ 65 715 715 64/ 63 835 835 .0 889 889 62/ 61 •0 60/ 59 1.1 1.2 1056 1056 37 .0 1085 1085 58/ 57 .0 138 6 • 6 56/ 55 1179 1179 56 436 53 . 7 . 8 1253 1253 953 111 54/ 1297 1297 1357 52/ 51 • 1 230 1417 1417 1748 50/ 49 349 • 0 48/ 47 1.4 1353 1353 1888 455 1.6 1393 1394 1853 46/ 45 668 44/ 43 1209 1210 1991 800 886 1123 1123 1882 42/ 41 .0 40/ 39 984 984 1813 1217 37 808 808 1667 1203 38/ 36/ 3.5 572 572 1403 1576 .0 33 377 1051 1602 377 34/ 32/ 31 241 241 757 1758 499 1735 151 151 30/ 29 . 1 28/ 27 53 53 259 1295 124 1416 27 27 26/ 25 24/ 23 6 6 49 1046 • 0 889 20/ 19 10 540 • 0 70 EM 17 18/ 568 Element (X) X Mean No. of Hours with Temperature Rel. Hum. ±0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 ALL PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B./W.B. Dry Bulb Wet Bulb Daw Point (F) 16/ 15 429 14/ 13 331 12/ 245 10/ 163 87 133 6/ 59 4/ 42 20 2/ 0/ -1 8 -2/-3-4/ -5 -6/ -7 19945 TOTAL 1.110.413.614.213.912.2 9.5 7.7 6.2 4.4 3.3 2.2 1.0 19948 19946 19947 ã ತ 0.26.5 Element (X) Z X No. Obs. Mean No. of Hours with Temperature O ◆ OSAFETAC 1015722 Rel. Hum. 61283968 50.921.888 19944 ± 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ≤ 0 F Total 55387828 1029204 51.610.707 19948 744 71.6 21.0 Dry Bulb 18.0 42.7 7.100 31.4 9.794 19947 19945 Wet Bulb 37335295 851277 64.2 744 21591238 744 626484 .6 402.3 Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER

STATION NAME 43-61,64-65,73

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#### **PSYCHROMETRIC SUMMARY**

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-61,64-65,73

PAGE 2

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Element (X)		Σχ'			Σχ	_	X	, v		No. O								h Tempera			
Rel. Hum.		892	596	l	1240	33	65.7	20.2	99		388	<b>≠</b> 0	F	⊴ 32 F	≥ 67	F ≥	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb		367	1870]	<u> </u>	824	55		5.4			88			4.2							93
Wet Bulb		292	21124	+	733		38.9	6.1	26		888			13.6							93
Dew Point		200	5109	3	599		31.7	10.1	22		388			44.6				1			93

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DATA PROCESSING BRANCH USAF ETAC

AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME JAN

WET BULB TEMPERATURE DEPRESSION (F)

0300-0500 HOURS (L. S. T.) PAGE 1

TOTAL

TOTAL

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
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58/ 57	. 1	. 2	1	1	• 2	• 0	• 0								į			20	20	4	3
56/ 55	• 2	• 1			• 4		• 1	• 1						i				34	34	11	3
54/ 53	3	. 2		. 3	. 2		. 2	.0										44	44	15	10
52/ 51	• 1	.6	. 3	• 2	.7	• 9	• 3	• 0										72	72	18	10
50/ 49	. 2	1.0	• 6	1.8	. 8		. 5											129	129	48	26
48/ 47	• 2			2.2	1.6	1.0	• 5			ļ.—		i -						190	190	50	
46/ 45	•6	2.0	2.0										<u> </u>				· 	205	205	97	40
44/ 43	• 8		3.1			• 9								] [	1 1			245	245	174	82
42/ 41	. 9		2.9	2.7			.0			Ĺ								240	240	209	
40/ 39	1.2	2.9			1.1	• 4	- 1						ĺ					239	239	281	
38/ 37	• 4		3.2	2.2														224		264	
36/ 35	1.1	3.3	1.5							Ì		Ì		,			İ	190		293	
34/ 33	• 4	1.5	1.7	1.3	. 3					ļ			ļ					115	115	219	213
32/ 31	• 3	1.8	i.2	•6 •5	• 2			i				1		ļ ,			 	93		146	
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28/ 27		. 4	• 4	• 1	• 2					1								24		85	
26/ 25		.2	.3	.4						<u> </u> -			<u> </u>					18		33	146
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Wet Bulb													1		1			1			
Dew Point							··														

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

23104 WILLIAMS AFB ARIZONA/CHANDLER

STATION STATION NAME

Temp. WET BULB TEMPER

#### **PSYCHROMETRIC SUMMARY**

43-74

YEARS

JAN HTHOM

PAGE 2

0300-0500 HOURS (L. S. T.)

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Rel. Hum.		1086	52540	5	1474	80	67.8	19.8	68	21	74	± 0	F	⊴ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			1634		898	80	41.3	6.7	98		74			9.3				L			9
Wet Bulb			8401		806	52	37.1	6.5	05	21	74			21.0							9
Dew Point			4092		661	92	30.4	10.1	89	21	74		• 9	50.4				<del>                                     </del>			9

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER STATION NAME

43-74

JAN MONTH

PAGE 1

0600-0800 HOURS (L. S. T.)

Temp.										DEPRE								TOTAL		TOTAL	
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54/ 53	• 1		. 3															47	47	14	8
52/ 51	•0				.4	.4	.3	• 0									]	75	75	23	7
50/ 49	• 2	. 8	1.1	1.0	•6													139	139	43	30
48/ 47	.2	1.0			1.2	.6					ļ							163	163	71	28
46/ 45	. 2		1.9	2.0		. 9	.3											225	225	95	47
44/ 43	• 9	2.1	3.2		1.3				ĺ									264	264	165	89
42/ 41	• 7	2.1	2.7	2.6	1.2	.3												258	258	236	112
40/ 39	. 7	2.9	3.8		1.7	.4												306	306	273	130
38/ 37	•6		3.7	1.9	1.0							<u> </u>						275	275	296	152
36/ 35	.7	3.8	3.6	2.8	.6	.0			ļ						i		İ	310	310	325	203
34/ 33	. 7	2.5	2.2		.6													168	188	340	
32/ 31	.4	1.7	1.7			.0				[								126	126	262	233
30/ 29	• 3	2.0	1.0	.9	• 1													118	118	199	252
28/ 27	•2	.8	5									i						58	58	130	195
26/ 25		•6	• 3	• 5	i													37	37	77	182
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FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE ORSOLTER

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DATA	PROCESS	ING	BRANCH
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# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

STATION STATION NAME | JAN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

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Dry Bulb		443	1832	<u> </u>	1076	30	39.9	7.	58		98			13.5				<del> </del>	<del></del>		93
Wer Bulb		-359	5411		967	51	35,9	6.1	332		98		$\neg$	27.7	·	$\neg \vdash$		1		-+-	93
Dew Point		260	3159		791	91	29.4	10.	167	26	98		<u>.9</u>	55.8				-		$\neg \uparrow \neg$	93 93

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

STATION STATION NAME

PAGE 1 1/900-1100
HOURS (L. S. T.)

Temp.							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5.6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77		!		;						1		.0						1	1		
74/ 73				1						.0		.0					1	3	3		
72/ 71		1 1		. 1						.0		.0		1			}	4	4		
70/ 69								. 1	. i			.0		<u> </u>	<u> </u>		<u> </u>	11	11		
68/ 67							. 1		.2	. 2	• !	• 0		1				16	16		
66/ 65				•0			. 2	• 4	• 3			. C						44	44		
64/ 63			•0			- 1	. 3	• 6	.5									62	62		
62/ 61		• 1		. 1	. 1	.4	. 9	1.1	.7	.2				<u> </u>			1	105	105		
60/ 59		• 2	.1	.3				1.4				i l						146	146	5	
58/ 57		. 2					1.9	1.2	.4	.1				!	<u>                                     </u>		<u> </u>	182	182	12	7
56/ 55		• 1						1.5	.5					1				261	261	18	11
54/ 53		• 3					1.8	1.0	. 1	.0								258	258	40	8
52/ 51	• 1			2.0		,		• 7										290	290	109	18
50/ 49	. 1	.6		2.1	2.4		1.4		• 1						<u> </u>			311	311	202	27
48/ 47	• 1	1.4		2.0	2.1	1.3	• 6	. 3										272	272	317	63
46/ 45	• 1	1.0	2.0	2.0	1.5	1.1	• 3	• 1	• 0					]				235	235	386	93
44/ 43	. 2		1.4	~~~		. 6	. 3							}				193	193	393	135
42/ 41	• 1				1.3	1.0	• 2							<u> </u>				175	175	356	163
40/ 39	• 2				. 8	- 4	- 1	1						1	1			112	112	305	224
38/ 37	• 1	. 3	• 5	1.0	.3	• 2	1							İ			!	71	71	241	232
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28/ 27		-	. 1			-	1	-						1			-	5	5	30	156
26/ 25				- 1										<u> </u>				2	2	19	170
24/ 23	ì	1	• q	{	- 1	1	- 1	- 1	- 1			1 1						1	1	12	142
22/ 21						i						<u>                                     </u>							l	4	124
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18/ 17																			1		60
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Element (X)		Z X ?		7	X		X	<b>"</b> x		No. Ob					Mean N	o. of H	ours with	Temperat	uf <b>ë</b>		
Rel. Hum.												± 0 F		32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 F	1	otal
Dry Bulb						$\Box$							$\Box$								
Wet Bulb																					
Dew Point																					

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB STATION

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74

STATION STATION NAME

PAGE 3 0900-110

PAGE 2 0900-1100

Temp.							BULB										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - '6	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 ≥ 31	D.B./W.B	Dry Buth	Wet Bulb	Dew Pos
8/ 7				†			!	!								1			i	27
6/ 5			1	1	1	ĺ	l								i		İ		l	19
4/ 3																			1	16
2/ 1						ĺ									-	-			1	1.4
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lement (X)		tx'	0065		ž <sub>X</sub>	26	<u> </u>	· ,	-	No. Ot							olth Temper			
Rel. Hum.		906	9957	<u> </u>	1509	35	52.7	1701	82		66	± 0 F		± 32 F	≥ 67 F	<del> </del>		* 93	F	Total
ry Bulb			0650		1436	/2	50.1	7.6	67		66		_ _	1.4	1.1	-	1			9
fet Bulb			8144		1209		42.2				66			6.6						9
Dew Point		217	6760	y	908	92	31.7	1100	34	28	<b>ó</b> 6		• 4	45.6						9:

DATA PROCESSING BRANCH USAF ETAC 2 **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANOLER JAN 43-74 STATION STATION NAME 1200-1400 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Met Bult Dew Poin 84/ 83 . C 82/ 81 .0 £. 10 80/ 79 10 • 2 78/ 77 18 18 76/ 75 421 42 74/ 73 64. 04 72/ 71 90 901 162 70/ 69 162 68/ 67 204 204 225 66/ 65 225 64/ 63 2.4 2.6 .6 274 274 293 2.0 293 62/ 61 59 1.0 1.9 303 303 60/ 1.7 273 58/ 57 273 35 • 0 56/ 55 223 223 88 10 1.4 54/ 53 184 184 211 10 25 52/ 51 142 142 350 138 494 35 50/ 49 138 48/ 47 106 106 475 89 46/ 45 57 57 404 441 43 289 146 22 22 15 15 183 196 42/ 41 40/ 39 15 108 178 15 38/ 37 97 242 .0 254 36/ 35 46 33 23 195 32/ 31 219 231 30/ 29 28/ 27 173 25/ 25 173 24/ 23 .0 135 103 91 20/ 19 18/ 17 69 Element (X) O OSAFETAC Rel. Hum. 267 F 273 F 280 F 293 F 10F Dry Bulb War Bulb Dew Point

**F**----

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 231C4 WILLIAMS AFB ARIZONA/CHANDLER 14N HTHOM 43-74 STATION NAME 1200-1400 HOURS (C. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 5 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb, Wet Bulb, Dew Foint 16/ 15 14/ 13 33 12/ 11 28 10/ 87 27 4/ 13 0/ -1 12 2 -4/ -5 -6/ -1 -8/ -9 2878 2878 TOTAL 8.712.213.114.117.311.0 7.3 3.3 1.3 , 2878 0.26.5 (OL A) C 20 P ZX, Element (X) No. Obs. Mean No. of Hours with Temperature G USAFETAC 108953 172575 5046249 37.917.898 Rel. Hum. 2878 1 32 F ≥ 67 F × 73 F × 80 F × 93 F 60.0 7.783 47.1 5.344 31.710.541 Dry Bulb 10522497 2878 19.3 4.6 93 .0 135422 6454338 93 Wer Bulb 2878 1.3 91214 2878 46.1 93 Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 43-74 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 .0 84/ 83 • 0 .1 • 1 82/ 81 80/ • 0 • 2 • 0 78/ 77 76/ 75 • 8 • 3 74/ 73 721 •4 1.5 1.9 71 •4 70/ 69 68/ 67 2.3 2.1 1.9 2.8 66/ 65 64/ 63 .0 1.5 2.1 1.0 2.4 62/ 61 60/ 59 1.8 1.6 1.0 58/ 57 55/ 55 .8 • Û 54/ 53 52/ 51 • 1 50/ 49 48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 . 1 38/ 37 36/ 35 34/ 33 32/ 30/ 29 28/ 27 O 26/ 25 241 23

USAFETAC

Dew Point

#### **PSYCHROMETRIC SUMMARY**

and the second s

JAN 1500-1700 PAGE 1

TOTAL

D.B. W.B. Dry Bulb Wet "ulb Dew Point 10 10 18 18 29 29 81 81 99 99 178 178 212 212 240 240 264 264 265 265 267 267 242 243 25 201 201 168 168 129 8 155 155 256 12 116 116 441 24 82 483 32 82 80 80 414 51 38 358 93 38 17 239 108 17 18 165 18 155 96 236 66 214 24 231 13 195 203 195 16 185 192 139 22/ 21 117 20/ 19 18/ 17 67 No. Obs. Element (.4) Mean No. of Hours with Temperature ≥ 80 F ≥ 93 F ≤ 32 F Dry Bulb Wet Bulb

€ DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** 2 USAF ETAC AIR WEATHER SER/ICE/MAC WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME JAN 43-74 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 x 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 16/ 15 14/ 13 50 47 29 12/ 11 8/ 29 6/ 4/ 3 19 0/ 11 -2/-3-6/ -7 2 TOTAL 2796 2795 2795 2795 Ę ð õ 0.26.5 97398 97398 No. Obs. X % 34.817.924 62.2 8.016 Mean No. of Hours with Temperature Element (X) 4291670 10984290 2795 267 F | 273 F | 280 F | 293 F ≤ 32 F 173810 2796 29.1 8.2 93 Dry Bulb 93 6493995 47.9 5.152 31.310.554 2795 2795 1.0 47.4 Wet Bulb 133953 304086Q 87346 93 Dew Point

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STORY OF THE SOURCE CONTRACTOR OF THE CONTRACTOR

USAFETAC FOM 0.26-5 (OLA)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

STATION STATION NAME

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. WET BULB TEMPERATURE DEPRESSION (F)

TOTAL TOTAL

TOTAL TOTAL

TOTAL TOTAL

TOTAL TOTAL

(F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 23 1 P.B./W.B. Dry Bulb Wet Bulb Dew Point

Temp.						WET	BULB 1	FEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Buib	Wet Bulb	Dew Poin
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78/ 77				-						.0							Ì	1	1		
76/ 75									• 0									1	1	,	
74/ 73		Ì		]				Ì	)	.1	.0	.0		) :				j 4	4	1	
72/ 71									.1	.0	• 2	• 1						12	12		
70/ 69			- 1	[		į	j	}	.3			.0						18			
68/ 67						• 0	•0	.3	• 5					1			T	34			
66/ 65						• 1	.6				2	1 1		1			]	78			
64/ 63			1	• 1	• 1	• 4	1.1										[	129			
62/ 61		. 2	. 1	. 2	. 1	. 8	1.6	1.7			. 1			l			L	152			
60/ 59	• 0	. 2	. 2	. 3	1.0	1.6		1.7	1.3	• 2	• 1						1	210			3
58/ 57	• 0	<u> </u>	• 4									<u> </u>		1				257			
56/ 55		• 1	. 0				,	3	)	1 -				1				291	291		
54/ 53	• 1	. 4	. 8									<u> i</u>		<u> </u>			<u>[</u>	26)	261		
52/ 51	• 2			2.2		1.9			ι.	1	[	1 1		1	[		l	263			29
50/ 49	• 2		1.0		2.5		<del></del>							<u> </u>			<u> </u>	229			34
48/ 47	_	1.9	1.4	1.4	1.1	1.0		1				1		1	{		1	179			47
46/ 45	• 2		1.0			• 7								<del> </del>		ļ	<u> </u>	154			93
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42/ 41		.7	.6						<b>!</b>	<u> </u>	ļ	ļ		ļ	<u> </u>		ļ	72			
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18/ 17					1		ļ	J				] ]			1	1	1	İ	İ	1	46
16/ 15		<del> </del>				<del> </del>	<del>                                     </del>	<del>                                     </del>			<del>                                     </del>	1	<b></b>	1		<del>                                     </del>	1		<del> </del>	<del>                                     </del>	35
14/ 13		1			1			}			Ì		]	Ì	)		[			}	22
Element (X)		Σχ²			Σχ		X	•,		No. O	5.				Moon	No. of h	ours wil	h Tempera	ture		<u> </u>
Cel, Hum.				<u> </u>		$\neg \vdash$		<del> </del>				± 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F		F	Total
Dry Bulb								1							1	$\neg \vdash$		T			
Wet Bulb															<del>                                     </del>			1			
Dew Point								1							1			1			

Ü DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 43-74 WILLIAMS AFB ARIZONA/CHANDLER JAN VEARS MONTH 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 12/ 11 25 10/ 21 7 18 8/ 8 6/ 3 17 4/ 17 2/ 0/ -1 3 <u>-2/ -3</u> -4/ -5 3 -6/ -7 TOTAL 2526 2527 .8 5.6 9.012.516.016.715.411.6 7.9 2526 2526 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE C ð 9 0.26.5 C FORM JUL 04 No. Obs. Element (X) Mean No. of Hours with Temperature 48.819.601 6996009 123375 Rel. Hum. 2526 ± 0 F ≤ 32 F 267 F 273 F 480 F 293 F 53.8 7.075 44.5 5.503 33.010.211 7432119 135873 2527 <u>• I</u> 93 2.6 Dry Bulb 93 5083039 2526 112457 Wet Bulb 3016935 83401 2526 40.0 63 

26-5 (OLA) revise networs spirons of this foun are outouts

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN MONTH

PAGE 1

2100-2300 HOURS (L. S. T.)

Temp.												SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 -	16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 2	8 29 - 3	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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64/ 63					. Ü	•0	. 2	•	0	•0		Γ	I						8	8		1
62/ 61	1		. 2			• 1	. (		G	. 1		ì	]	ì	ì		1	}	11	11		1
60/ 59	• q	• 2	• 0	• 0	• 2	• 5	•		2	.1			i	[		T	1		40	40	3	
58/ 57	• 1			. 2	1.0	. 5	4		9	. 1									74			
56/ 55	• 1	• 1	. 8	.7	1.7	• 8	1.1		4	. 1						T			120	120	7	
54/ 53	• 2	•4	.5		1.3	1.8	1.4		6	.1		]	]	}	1	1	}	1	160	160		
52/ 51	• 2	•7	1.2	2.4	2.0	1.7	1.1	. •	0					[		T			196	196	53	1
50/ 49	• 1				3.0	2.4	1.0		0	.0		i		ļ	•				253		87	
48/ 47	.3	1.8	2.8			1.5	• 7		2				1		ì	1	1		255	255	151	
46/ 45	. 3	2.4		3.1	2.6	1.2	• 3	\$									1		261	261	224	7
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Element (X)		Σχ²			z <sub>X</sub>		X	•	x		No. O	, s.				Mean	No. of	Hours wi	th Tempera	tuse		
Rei. Hum.													⊴ 0	F	≤ 32 F	2 (	7 F	≥ 73 F	≥ 80 F	<b>≥</b> 93	F	Total
Dry Bulb																						
Wet Bulb																T			T			
Dew Point				<u> </u>				1		Π.						1						

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 43-74 2100-2300 PAGE 2 HOUPS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 0/ -1 8 -2/ -3 -4/ -5 6 3.114.817.620.319.713.9 7.1 2.7 2101 2101 TOTAL ( 2101 2101 C THIS FORM 0.26.5 (OL 70 E No. Obs. Mean No. of Hours with Temperature Element (X) O O USAFETAC 126560 8466566 60.220.034 2101 ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 46.9 6.509 40.9 5.967 1.8 4712623 98561 2101 93 Dry Bulb 93 3581829 85839 Wet Bulb 2101 8.0 32.510.225 41.0 

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER STATION NAME

43-60,64-65,73

FEB

PAGE 1

0000-0200 HOURS (L. S. T.)

Temp.								TEMPER										TOTAL	Ĺ	TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.B.	Dry Bulb	Wet Bulb	Dew P
72/ 71	Ì						İ			i		. 1						1	1		
68/ 67						<u> </u>				<u> </u>	• 2.						<u> </u>	3	3		
66/ 65			i i	1		1	1		•1	• 2	• 1	i						5	5		
64/ 63					.1	.2		.1	.2								<u> </u>	ß	8		
62/ 61				- 1	.1	.1	. 2	.2	•6	-1	•1							23	23		
60/ 59			.1				.4											39			
58/ 57		• 1				1				• 2		ļ [					1	74	1		
56/ 55		. 5			1.2	1.2	1.1	.4						<u> </u>				96	98	6	
54/ 53	• 1							.1				l i		[			1	136	136	36	
52/ 51	.2				_	<del></del>	<del></del>			L								132	132	46	
50/ 49		1.4			1.9				1			i						154	154	84	
48/ 47	1																<u> </u>	200	200	130	
46/ 45	• 2		1														I	171	171	194	
44/ 43	• 1	1.0						<del></del>									<u> </u>	162	162	220	
42/ 41	• 2			•	• 9			1		Í							ľ	135	138	197	
40/ 39	• 2			. 8				ļ		ļ								95		174	1
38/ 37	• 4			1		1	4	1	1	l							1	81	82	161	1
36/ 35	• 2						<u> </u>	<u> </u>		L							ļ	59	60		1
34/ 33		• 3		1		1	!	!		Į		1 1		į į				39		81	1
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8/ 7 6/ 5				<del> </del>	ļ. <del></del>	<del> </del>	├──	<u> </u>	<b>├</b> —	<del> </del>				<del> </del>				<del> </del>	<u> </u>		
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4/ 3		$\frac{\Sigma_{X}}{\Sigma_{X}}$ ,—	<u> </u>		<u> </u>	<del></del>	1 27		<u> </u>	No O'		لـــــــــــــــــــــــــــــــــــــ		L		1 6 14		ļ		L	
Rel. Hum.		~ X.		-	Zχ		<u> </u>			No. O	5.			- 40 5				h Tempera			
				<del> </del>				<b></b> -				101		± 32 F	≥ 67	<u>-</u> -	73 F	≥ 80 F	≥ 93		Total
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Wet Bulb				<del> </del>				<del> </del>	<del>i</del> -									<u> </u>			
Dew Point				<u>.                                    </u>				<u> </u>					i		ŧ	l l		1	i	1	

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USAFETAC FORM 0.26-5 (OLA) HINSED REVOUS EDITIONS OF THIS FORM ARE ORDORE

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 43-60,64-65,73 FEB MONTH 0000-0200 HOURS (L. S. T.) #ET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point Temp. (F) 2/ 1 0/ **-**1 TOTAL 1.615.219.522.918.012.6 5.8 1.9 1.6 1660 1648 1648 1648 ( 8 (. વૃ 0.26.5 Element (X) X No. Obs. Mean No. of Hours with Temperature .. .. .. OSAFETAC 60.619.345 46.9 7.214 40.9 6.232 32.7 9.956 6661254 99810 1648 10 F ≤ 32 F ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. 77858 1.9 3738064 1660 84 2819441 67387 1648 84 Wet Bulb 84

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-74 FEB 0300-0500 PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 66/ 65 3 • 1 64/ 63 62/ 61 12 12 60/ 59 18 18 58/ 57 38 38 • 1 56/ 55 76 76 16 53 106 54/ 105 37 52/ 51 117 119 1.5 1.2 50/ 49 1.8 2.1 168 168 68 2.1 48/ 47 184 184 101 208 461 45 208 168 2.6 44/ 43 214 215 191 2.0 177 178 232 421 41 2.0 1.2 179 227 40/ 39 178 2.0 188 38/ 37 115 116 1.7 96 95 200 36/ 34/ 33 76 76 160 1.0 55 56 100 32/ 29 40 45 92 30/ 14 28/ 27 14 66 32 25 26/ 22/ 21 20/ 19 18/ 17 16/ 14/ 12/ 11 10/ 5 6/ 2/ Element (X) Mean No. of Hours with Temperature ± 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum.

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Wet Bulb

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR "EATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME FER 43-74 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point Temp. (F) -2/ -3 -4/ -5 TUTAL 2.520.422.422.715.7 8.6 4.6 1.9 . 3 1922 1908 . 8 1908 1908 0 0.26-5 (OL A) C 10 M X 7, 63.219.592 44.2 7.291 38,9 6.461 31.310.014 Mean No. of Hours with Temperature Element (X) O O O 8353528 120590 Rel. Hum. 1908 ≤ 32 F ≤ 0 F 84962 3857876 1922 5.4 84 Dry Bulb 2973965 74313 1908 14.0 84 Wet Bulb 2056594 59658 1908 42.9 84 Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74 STATION NAME Temo. WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 58/ 67 .0 • 0 66/ 65 .0 .0 62/ 61 60/ 59 .0 58/ 56/ 55 •1 54/ 53 52/ 51 .0 50/ 49 1.d 47 1.6 1.9 48/ • 3 2.6 2.1 1.1 . 0 46/ 45 2.8 1.6 1.0 3.2 44/ 43 3.6 1.3 42/ 41 2.0 39 2.5 2.0 2.7 40/ .6 1.4 38/ 37 1.8 2.7 2.0 36/ 35 1.8 1.5 33 1.1 34/ . 1 32/ 31 1.0 30/ 29 28/ 27 . 9 26/ 25 24/ 23 22/ 21 19 20/ 18/ 15 16/ 12/ 11 Š 10/ 9 26-5 8/ 5 ó 3 4/ FORM Jun 64 2/ Element (X) ΣX2 No. Obs. OSAFETAC Rel. Hum. 10F ≤ 32 F Dry Bulb

#### PSYCHROMETRIC SUMMARY

FEB MONTH 0600-0300 PAGE 1 HOURS (L. S. T.)

TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 26 27 - 28 29 - 30 2 31 2 16 16 37 107 108 31 79 133 131 14 175 175 14 243 107 55 243 257 77 257 176 266 218 106 264 214 216 243 123 226 226 296 113 204 204 283 134 134 136 215 219 106 107 216 191 73 73 176 217 54 56 121 186 32 94 145 28 54 14 14 158 38 129 10 116 56 88 42 58 40 26 26 27 8 3 Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Total Wet Bulb Dew Point

~ Ø DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

WILLIAMS AFB ARIZONA/CHANDLER

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

≤ 32 F

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MONTH

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84

84

YEARS

0600-0900 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 0/ -1 l -4/ -5 TOTAL 2.218.826.222.115.2 8.4 4.2 2.1 2397 2381 2381 2381

2381

2397

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2381

62.914.090

43.3 7.238 38.1 6.554

30.410.081

149759

103806

90708

72284

43-74

22M 0.26-5 (OLA) REVISED PREVI

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Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

10286795

4621018

3557888

2435368

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74 FEB 0900-1100 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 80/ 79 .0 1 73/ 77 76/ 75 74/ 73 . 2 10 10 27 27 • 0 72/ 71 •0 36 36 • 1 70/ 69 50 80 80 68/ 67 • 1 66/ 65 .0 98 98 1.5 64/ 63 138 138 1.1 • 0 62/61 166 166 .0 1.2 6 218 59 218 65/ 24 58/ 57 235 235 551 2.5 255 255 55 63 1.0 1.8 54/ 53 237 238 131 15 1.2 191 52/ 51 209 210 1.6 1.2 1.5 50/ 49 232 234 304 179 325 48/ 47 1.1 176 1.1 46/ 45 132 133 331 91 44/ 43 • 6 90 315 42/ 41 62 260 61 40/ 39 49 50 206 175 38/ 37 20 21 141 36/ 35 14 120 65 34/ 33 32/ 31 42 30/ 29 12 28/ 27 26/ 25 3 24/ 23 õ 22/ 21 201 Ĩà 13/ 16/ 1.5 FORM JUI 64 14/ 13 Element (X) Mean No, of Hours with Temperature Rel. Hum. ≤ 32 F Dry Bulb

1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B./W.B. Dry Buib Wet Bulb Dew Poin 27 59 92 104 103 137 215 243 187 193 157 123 151 124 76 58 62 70 53 Wet Bulb Dew Point

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DATA PRUCESSING BRANCH
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AIR WEATHER SERVICE/MAC

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#### **PSYCHROMETRIC SUMMARY**

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231C4 WILLIAMS AFB ARIZUNA/CHANDLER 43-74

STATION NAME

PAGE 2 0900-1100

WET BULB TEMPERATURE DEPRESSION (F)

1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) 12/ 11 47 28 10/ 19 ੪/ 6/ 14 41 3 4 2 -4/ -5 1 3.1 9.212.114.415.715.011.5 8.5 4.8 3.4 1.3 2543 TUTAL 2543 2543 Element (X) No. Obs. Mean No. of Hours with Temperature 6213087 45.718.900 55.0 8.024 44.8 5.871 32.310.329 2543 2556 116205 ≤ 32 F ≥67 F | ≥73 F | ≥80 F | ≥93 F ± 0 F Total Rel. Hum. 7836399 140489 84 Dry Bulb 113995 82069 2543 2543 Wet Bulb 5197679 1.9 39.0 34 2919795 34 Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZONA/CHANDLER FEB 43-74 PAGE 1 1200-1400 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B./W.B. Dry Bulb Wet Bulb Dew Point × 31 90/ 89 88/ 87 36/ 85 .0 1 1 6 • 1 .0 84/ 83 15 82/ 81 80/ 79 27 27 . 3 . 2 ٠Ó 49 .6 . 2 .0 49 . 8 78/ 77 • 5 75 75 • 1 •0 76/ 75 74/ 73 117 127 . 2 127 72/ 71 167 167 72/ 69 68/ 67 2.1 .5 197 197 1.) .4 .0 219 219 66/ 65 234 1.9 234 •0 2.1 1.3 .0 259 2.5 64/ 63 2.0 259 1.3 62/ 61 1.0 2.1 1.9 240 240 10 1.6 1.3 190 190 36 1.0 1.5 58/ 57 179 181 95 1.6 8. 56/ 55 210 143 143 1.0 54/ 53 117 118 304 . 7 ž į 52/ 51 95 97 392 53 50/ 49 52 361 . 3 345 48/ 47 . 0 31 31 292 17 46/ 45 17 228 44/ 43 116 42/ 41 • 0 93 40/ 39 38/ 37 54 25 36/ 35 34/ 33 32/ 31 30/ 29 28/ 27 26/ 24/ 23 111 Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F Rel. Hum. # 0 F | # 32 F Dry Bulb

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Wet Bulb Dew Point 13

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER FEB STATION NAME 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B./W.B. Dry Bulb Wet Bulb Dew Point 22/ 21 105 20/ 19 53 18/ 17 94 16/ 15 89 14/ 13 62 60 10/ 9 36 7 8/ 23 5 6/ 16 3 4/ 11 2/ 1 .2 1.4 1.6 3.7 4.3 7.410.913.414.213.310.8 9.3 5.2 2.5 1.1 TOTAL 2566 2572 • 1 2566 2566 ব g 0.26.5 No. Obs. Element (X) Mean No. of Hours with Temperature USAFETAC 32.517.036 83501 3461627 ≥ 67 F ≥ 73 F 2566 ≥ 80 F ≥ 93 F Rel. Hum. ≤ 0 F ≤ 32 F 10778624 165190 64.2 8.110 32.7 13.7 84 Dry Bulb 2572 2.5 48.9 5.169 31.210.892 2566 2566 6200807 125441 Wet Bulb 84 .0 2805641 80115 43.4 • 0 84

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER FEB 23104 43-74 STATION NAME 1500-1700 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 1 - 2 | 3 - 4 | 5 | 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 ≥ 31 94/ 93 ī • 0 90/ 89 88/ 87 3 3 • 1 •0 86/ 85 10 .0 10 84/ 83 31 31 . 1 82/ 81 . 4 58 58 89 80/ 79 1.4 1.0 • 2 .0 89 78/ 77 . 2 112 112 1.3 133 75 • 8 76/ . 8 133 1.3 1.1 741 73 1.9 189 189 .2 1.0 .9 1.0 1.5 72/ 71 190 190 2.3 . 2 1.6 212 212 70/ 69 2.1 1.7 68/ 67 1.3 . 4 253 253 • 6 1.7 2.1 2.1 1.4 230 1.0 229 66/ 65 2.5 . 3 1.6 .9 64/ 63 1.? 1.5 1.2 192 192 1.2 11 1.5 1.3 .6 . 8 . 8 . 5 166 166 62/ 61 . 0 13 60/ 59 .5 1.0 . 8 1.6 1.0 .4 165 165 58/ 57 125 .4 128 105 257 56/ 55 105 • 8 . 8 .0 53 74 366 54/ 71 52/ 51 • 4 • 3 53 352 22 . 1 349 50/ 49 46 46 44 25 341 71 48/ 47 . 2 26 231 46/ 45 12 12 1,8 44/ 43 6 174 116 . 2 5 108 42/ 41 126 75 40/ 39 130 136 38/ 37 42 3 35 169 36/ 9 33 34/ 149 0.26.5 32/ 193 1.74 30/ 29 124 28/ 27 70 E 26/ 25 165 Elament (X) X Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F 267 F 273 F 280 F ≥ 93 F Total Dry Bulb

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Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 43-74 FEB PAGE 2 1500-1700 HOURS (L. 5. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 24/ 23 142 22/ 21 107 20/ 19 83 18/ 17 75 90 16/ 15 14/ 13 12/ 11 43 10/ 9 30 7 30 8/ 19 6/ 3 22 0/ -1 -4/ -5 1 -6/ -7 -8/ -9 TOTAL 1.6 2.4 2.3 3.9 5.1 6.910.012.014.017.810.9 8.8 5.3 1.9 2485 2492 2485 2485 3 ĝ FORM JUL 64 74309 74309 29.917.536 Element (X) No. Obs. Mean No. of Hours with Temperature USAFETAC 2985949 Rel. Hum. 2485 ± 0 F ≤ 32 F 267 F 2 73 F 2 80 F 2 93 F 66.4 8.535 49.7 5.098 11169288 165474 2492 43.2 21.1 84 Dry Bulò •0 6190958 123386 2485 84 Wet Bulb 75797 2620457 46.7 84

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 STATION WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME FEB 43-74 PAGE 1

1800-2000 HOURS (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83														• 1				3	3		
82/ 81						i							• 0	• 0				2	2		
80/ 79											• 0		• 1	• 0				4	4		
78/ 77						i				.1		• 1	• 1		_• 0	.0		9	9	·	LI
76/ 75			į į	1					• 0		• 1	. 4	• 2	• 0	• 0	. 1		22	22		
74/ 73								• 1	.4	• 3	• 6	.4	• 4	•1				49	49		
72/ 71			į	(		ļ	.0	. 1	. 4	•6	- 8	• 5	• 1	• 1	.0			62	62	, ,	
70/ 69						-0						• 5	<u>•1</u>					119	119		
68/ 67		l			• 0	• 0						. 3	• 1					139	139	ļ '	1 1
66/ 65		, . <del></del> -	<u> </u>	.0	• 2	• 4			1.6		• 9	.4	•0					157	157		ļI
64/ 63		l		• 2	• 4	• 9					. 8	• 2	• 0					191	192	į	1 1
62/61			<u> </u>	• 4	.7	1.2			1.7	. 8	. 5	• 1						202	204		
60/ 59		_	. 2			1.3			i.2	1.1	• 1	• 0			į			224	224		( /
58/ 57		. 3				1.6			1.1	• 5								233	233	45	
56/ 55		.3							• 9									198	198	109	1 .
54/ 53	• (	• 1		. 8	. 9	1.5	1.5	.7	. 4	<u>.2</u>								145	146	180	
52/ 51	• 1	• 5	• 9	• 7	1.4	1.3			• 4	•0								149	151	265	42
50/ 49	1	.2		.7	. 8	•9	• 7											103	104	318	
48/ 47	•0				. 3	• 5												83	85		
46/ 45	<u> </u>					- 6			•0									<u> </u>	65	273	
44/ 43		• 4											l					37	37	259	
42/ 41	<del></del>	• 2			. 2	. 2		<u> </u>										16	16		
40/ 39 38/ 37		• 1		• 1				•0										12	12	106 68	
36/ 35	<del></del>		<del> </del> -	4	• 9			} <u> </u>									<del></del> -	- 4		53	
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22/ 21		ĺ													l						68
20/ 19												-						<del>  </del>		<b></b> _	52
18/ 17		1	]												1					į	60
Element (X)		Σχ²	<del></del>		Σχ	<u> </u>	X	- ×		No. Ob	s.	·			Mean N	o. of H	ours wit	h Temperat	ure		
Rel. Hum.								<del></del>				± 0 F		32 F	≥ 67		73 F	≥ 80 F	≥ 93 f	F	Total
Dry Bulb									$\neg   \neg$							$\neg   \neg$		1	1	- 1	
Wet Bulb									$\neg$				_					<del> </del>	1		
Dew Point													_			_			1	_	
										-											

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME FEB MONTH 43-74 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 16/ 15 62 34 14/ 13 36 12/ 11 10/ 27 8/ 26 6/ 10 3 10 4/ 2/ -2/ ī -4/ -5 TUTAL 2226 3.4 4.6 6.610.012.414.514.912.8 9.2 6.3 3.0 2237 2226 2226 C ₹ (O O 0.26.5 FOEM 121 64 9<u>0583</u> No. Obs. ΣX² X \*x 40.719.165 Element (X) Mean No. of Hours with Temperature 4503379 2226 ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F 7947812 132192 59.1 7.803 2237 15.4 3.3 84 Dry Bulb 4979996 104586 47.0 5.452 84 2226 Wet Bulb 2632382 72630 37.7 84

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-60,62-74 FEB
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300

Temp.						WET	BULB 7	EMPER	ATURE	DEPR	SSION (	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
70/ 69								• 1		1	• 2							5	- 5		
68/ 67						ļ	. 1		• 1	. 2				1			ļ	9	9	1	
66/ 65					• l	.3	.1	• 2						i — —			1	26	26	<u> </u>	
64/ 63					. 3			. 4	. 3									39	39		
62/ 61		i	• 1	. 1				• 7	.6			i		i				71	71	i	
60/ 59			•1	•1 •5	.6		1.6		. 8	. 3	, -						l	125	126	İ	
58/ 57		• 1	. 5		1.3	1.4	1.7	1.1	.4		•1			<del></del>				128	130		
56/ 55	• 1	1			1.3	2.5		• 5	. 4					ļ				179	179		3
54/ 53	• 1			1.7	2.6			• 7	.5					<u> </u>				197	197		
52/ 51	• 1		1.2	1.4	2.6		•	•6	. 2					-			ĺ	179	179		
50/ 49	• 1		1.6	2.3	2.5			.7			1						!	205	205	182	
48/ 47	• 1	1.4	1.9		2.8			. 3	.1									199	199		
46/ 45	• 2	1.0	1.5	2.0	1.4			• 2		<del>                                     </del>		<del></del>						139	141	249	90
44/ 43		.7	1.4	1.4	. 8			•1		1		ļ		i				101	102	244	111
42/ 41	• 2			.9						i –	1	1	-					80	83		
40/ 39	• 1	.9	.4					• 1			1			İ			1	61	61	199	148
38/ 37		.4				• 2					† — —	<del>                                     </del>		i			1	34	36		14
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32/ 31		!				ļ				ĺ	1	Ì								43	124
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26/ 25												1								3	94
24/ 23		1		ļ										i				ŀ		ļ	8.
22/ 21										İ		<u> </u>									41
20/ 19		j	i	<b> </b>	Ì					İ	1	j		1	ļ		1	1			2
18/ 17		1			i																3
16/ 15					<u> </u>				]	]					<u> </u>		<b>]</b>	<u> </u>			2
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4/ 3					<u> </u>	L				L	1	1		!	ļ i			! _		<u> </u>	
Element (X)									bs.				Mean I	ours wit	h Tempera	lur#					
Rel. Hum.												≰ 0	F	≤ 32 F	≥ 67	F :	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

2

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 43-60,62-74 FEB

STATION STATION NAME

PAGE 2 2100-2300

PAGE 2 2100-2300 HOURS (L. S. T.)

Temp.	WET BULB TEMPERATURE DEPRESSION (F)  0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-2															TOTAL		TOTAL			
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
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-4/ -5	- 1															<u> </u>	į				1
OTAL	. 8	8.2	13.4	16.5	18.4	17.8	12.3	6.8	3.8	1.4	• 6					I	]		1822		1810
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Element (X)		ΣXż		<u> </u>	z x		X	<b>"</b> **		No. Ol								h Tempera			
Rel. Hum.			18549		967	153	53.5	19.7	64	18	10	⊴ 0	F	≤ 32 F	≥ 67		73 F	- 80 F	≥ 93	F	Total
Dry Bulb		483	9091		930	55	51.1	6.8	92	18						.6		<u> </u>			8
Wet Bulb			6240		782	62	43.2	5.8	68	18	10			4.1							8
Dew Point		217	9224		598	102	33.0	10.6	03	18	10		•0	35.1	1					1	3

DIM 0.26-5 (OL A) REVISED METHOUS EDITIONS OF THIS FORM ARE C

SAFETAC FORM

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME 23104 STATION

42-45, 47-60, 64-65, 73-74 YEARS

MAR MONTH

PAGE 1

0000-0200 HOURS (L. S. T.)

72/71       70/69       .2       .1       .2         68/67       .1	TOTAL	TOTAL	OTAL	TOTAL	TOTAL		
TO   69	).B./W.B. Dry	D.B./W.B.	B./W.B. Dry E	Bulb Wet Bull	Dew Point		
Total   Tota	1	1	1	1	1		
68/ 67 66/ 65 64/ 63 62/ 61 63/ 67 64/ 55 64/ 64/ 65 64/ 64/ 65 64/ 64/ 65 64/ 64/ 65 64/ 64/ 65 64/ 64/ 64/ 64/ 64/ 64/ 64/ 64/ 64/ 64/	9	9	9	9			
66/ 65	11	11	11	11	<del>                                     </del>		
64/63 62/61  .2 .3 1.1 .7 1.1 .7 .3 .1  50/59  .2 .2 .3 .6 1.0 1.2 1.3 .4 .3  58/57  .1 .3 .6 .9 2.1 1.7 1.9 1.1 .3 .1  56/55  .5 .7 1.0 2.3 2.4 2.2 1.5 .7 .3  54/53  .1 .5 1.2 1.7 2.4 2.7 2.4 .8 .2  52/51  .1 .6 1.6 2.1 2.8 2.8 .9 .1  50/49  .1 .6 1.6 2.1 2.8 2.8 .9 .1  48/47  .1 1.1 1.2 1.3 2.1 1.9 .6 .2  44/43  .2 1.3 .9 .9 1.3 .3 .1  42/41  .2 .6 .7 1.0 1.0 .2 .1  40/39  .8 .5 .8 .9 .1  38/37  .2 .1 .3 .5 .1  36/35  31 .1 .1 .1 .1  30/29  28/27  26/25  24/23  22/21  20/19  18/17	21			21			
62/61	43			43	<del> </del>		
60/ 59	83			83			
58/ 57				02 3	:		
56/55       .5       .7       1.0       2.3       2.4       2.2       1.5       .7       .3         54/53       .1       .5       1.2       1.7       2.4       2.7       2.4       .8       .2         52/51       .1       .5       1.0       2.5       1.8       3.0       1.5       .7       .5         50/49       .1       .6       1.6       2.1       2.8       .9       .1         48/47       .1       1.1       1.2       1.3       2.1       1.9       .6       .2         46/45       1.6       1.5       2.1       1.7       1.0       .2       .1         44/43       .2       1.3       .9       .9       1.3       .3       .1         40/39       .6       .5       .6       .5       .1         38/37       .2       .1       .3       .5       .1         36/35       .2       .2       .1         34/33       .1       .1       .1       .1         28/27       .2       .2       .2         26/25       .2       .2       .2         24/22       .2       .2 </td <td></td> <td></td> <td></td> <td>69 5</td> <td></td>				69 5			
54/ 53				17 22			
52/ 51       .1       .5       1.0       2.5       1.8       3.0       1.5       .7       .5         50/ 49       .1       .6       1.6       2.1       2.8       2.8       .9       .1         48/ 47       .1       1.1       1.2       1.3       2.1       1.9       .6       .2         46/ 45       1.8       1.5       2.1       1.7       1.0       .2       .1         44/ 43       .2       1.3       .9       .9       1.3       .3       .1         40/ 39       .8       .5       .8       .5       .1         38/ 37       .2       .1       .3       .5       .1         36/ 35       .2       .2       .2       .1         34/ 33       .1       .1       .1       .1       .1         30/ 29       28/ 27       .2       <				22 47			
50/ 49       .1       .6       1.6       2.1       2.8       2.8       .9       .1         48/ 47       .1       1.1       1.2       1.3       2.1       1.9       .6       .2         46/ 45       1.8       1.5       2.1       1.0       .2       .1         44/ 43       .2       1.3       .9       .9       1.3       .3       .1         42/ 41       .2       .6       .7       1.0       1.0       .2         40/ 39       .6       .5       .6       .5       .1         38/ 37       .2       .1       .3       .5       .1         36/ 35       .2       .2       .1       .3       .5       .1         34/ 33       .1       .1       .1       .1       .1       .1         30/ 29       .2       .2       .2       .1       .2 <td></td> <td></td> <td></td> <td>16 89</td> <td></td>				16 89			
48/ 47       .1       1.1       1.2       1.3       2.1       1.9       .6       .2         46/ 45       1.6       1.5       2.1       1.7       1.0       .2       .1         44/ 43       .2       1.3       .9       .9       1.3       .3       .1         40/ 39       .8       .5       .8       .5       .1         38/ 37       .2       .1       .3       .5       .1         36/ 35       .2       .2       .1       .1       .1         34/ 33       .1       .1       .1       .1       .1       .1         30/ 29       .2       .2       .1				04 139			
46/ 45				59 217	36		
44/ 43       .2 1.3       .9 .9 1.3       .3 .1         42/ 41       .2 .6 .7 1.0 1.0 .2         40/ 39       .6 .5 .6 .5 .1         38/ 37       .2 .1 .3 .5 .1         36/ 35       .2 .2 .1 .3         34/ 33       .1 .1 .1 .1         30/ 29       .3 .1 .1 .1 .1         28/ 27       .26/ 25         24/ 23       .2/ 21         20/ 19       .1 .1 .1 .1         16/ 15       .1 .1 .1 .1         14/ 13       .1 .1 .1 .1         10/ 9          8/ 7				55 263			
42/41     .2     .6     .7     1.0     1.0     .2       40/39     .8     .5     .8     .5     .1       38/37     .2     .1     .3     .5     .1       36/35     .2     .2     .1       34/33     .1     .1     .1     .1       32/31     .3     .2     .2     .1       30/29     .2     .2     .2     .2       28/27     .2     .2     .2     .2       26/25     .2     .2     .2     .2       24/23     .2     .2     .2     .2       20/19     .3     .3     .3     .3     .3     .3       16/15     .3     .4     .3     .3     .3     .3     .3     .3       18/17     .3	93			93 283			
40/ 39       .8       .5       .8       .5       .1         38/ 37       .2       .1       .3       .5       .1         36/ 35       .2       .2       .1         34/ 33       .1       .1       .1       .1         30/ 29       .2       .2       .1       .1       .1         28/ 27       .2 <td>73</td> <td></td> <td></td> <td>73 297</td> <td></td>	73			73 297			
38/ 37	49			49 200			
36/ 35 34/ 33 .1 .1 .1 .1 32/ 31 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 18/ 17 16/ 15 14/ 13 12/ 11 10/ 9 8/ 7	22			22 130			
34/ 33	9			9 82			
32/ 31 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 18/ 17 16/ 15 14/ 13 12/ 11 10/ 9 8/ 7	5			5 43			
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22/ 21 20/ 19 18/ 17 16/ 15 14/ 13 12/ 11 10/ 9 8/ 7					93		
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18/17       16/15       14/13       12/11       10/9       8/7				<del> </del>	77		
16/ 15 14/ 13 12/ 11 10/ 9 8/ 7				1	35		
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Element (X) ZX2 ZX X Mean No. of Hours with To	Temperature	Tempera	emperature		<u> </u>		
	≥ 80 F			93 F	Total		
Dry Bulb							
Wet Bulb	<del></del>		<del></del>				
Dew Point							

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

C DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 42-45,47-60,64-65,73-74
STATION NAME
YEARS MAR 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 41 3 2/ 2 0/-1<del>-2/ -3</del> -4/ -5 2 12/-13 TOTAL 1861 .d 8.510.115.318.819.212.2 8.3 4.5 1.9 1863 1861 1861 C Q 0.26-5 (OL A) QElement (X) No. Obs. Mean No. of Hours with Temperature USAFETAC 52.219.297 51.8 6.494 43.6 5.201 33.1 9.688 5770020 97206 1861 Rel. Hum. ≤ 0 F ± 32 F ≥ 67 F | ≥ 73 F ≥ 80 F ≥ 93 F 93 5082034 3586209 96548 Dry Bulb 1863 1.0 81119 93 Wet Bulb 1861 1.8 1861 Dew Point 2216476 61644 93 41.4

A THE TOTAL TO SERVICE AND A S

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICF/MAC

USAFETAC 1044 0.26-5 (OLA) IEWIED MENOUS EDITOMS OF THIS " - 14E OLD LEIFE

# PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-45,47-74 MAR

STATION STATION NAME YEARS
PAGE 1 0300-0500
HOURS (L. S. T.)

Temp.							WET	BULB 7	EMPER	ATURE	DEPRE	SSION (	(F)						TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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58/	57	.0	• 2	.3	.3	.9	8.	1.1	1.0	.2	.0				<del>                                     </del>			<del>                                     </del>	105	105	10	3
	55		. 5	. 4	. 7													İ	171	172	14	4
	53		•4	.6	1.3	2.5	1.7					i	<del> </del> -					<del>                                     </del>	215	215	36	
	51		. 5	1.4	2.1		1.9											l	223	223	45	16
	49	. 2	8.		2.6	3.3			• 5	• 1					† —				276	276	89	43
	47	• d	. 9		2.6						,	i						1	273	273	148	
	45		1.5			2.6									1	!			242	242	265	
	43	. 3	1.7	1.0		1.7	. 8	• 1			ļ		[ ]					t	171	171	310	102
42/	41	• 1	1.2	1.8	1.1	1.3	. 5	•0							1			·	130	130	345	113
	39	. 1	1.1	1.2	1.2	• 6	• 0				ĺ	ĺ			l			i	92	92	287	174
	37	• q	1.3	. 6	1.0	• 2	• 1												71	71	242	159
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Element			ΣX1			z x		X	ø <sub>z</sub>		No. O	s.							h Tempero			
Rel. Hum													± 0	F	± 32 F	≥ 67	F 3	73 F	≥ 80 F	≥ 93 F		Total
Dry Bulb																			L			<del></del>
Wet Bulb																						
Dew Poir	1																		1	<u> </u>		

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

23104

WILLIAMS AFB ARIZONA/CHANDLER STATION NAME

42-45-47-74

MAR

PAGE 2

0300-0500 HOURS (L. S. T.)

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	e	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Element (X) į		Σχi		1	ZX		X	<b>"</b> R		No. Ob					Mean I	No. of H	ours wit	h Tempero	lute		
Rel. Hum.			15139		1210	45	56.1	19.5	06		59	± 0 (		≤ 32 F	≥ 67	F	73 F	≥ 80 F	z 93	F	Total
Dry Bulb			35575		1048			6.4			59			.7		•2					Ś
Wet Bulb			30270		895		41.5	5.4	22		58			4.7	T -						
Dew Point			9170		691		32.0	9,4	85		59		•1	45.7	1	$\neg$					- 9

USAFETAC FOLM 0.26-5 (OL A) INVITED REFERENCE OF THIS FOLM AN

8 ತ 0.26.5

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Element (X)

Rel. Hum.

Dry Bulb Wet Bulb

D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 72/ 71 1 70/ 69 68/ 67 . 1 10 10 66/ 65 32: 64/ 63 • 0 32 66 60/ 59 85 85 • 0 58/ 57 139 1391 56/ 202 202 6 54/ 53 252 37 252 11 .3 1.2 1.5 2.7 1.5 .8 1.6 2.8 2.1 1.9 52/ 51 280 280 72 50/ 49 292 292 109! 36 1.1 2.5 2.8 48/ 47 2.5 229 38 .0 305 305 1.8 46/ 45 323 301 301 72 44/ 43 208 208 408 117 42/ 41: . 7 171 171 385 150 40/ 39 1.3 1.1 345 115 227 115 38/ 37 103 103 256 188 367 35 62 62 208 277 34/ 33 123 34 34 234 32/ 31 105 213 16 16 30/ 29 28/ 27 40 203 176 • 1 26/ 25 • 1 . 1 161 6 24/ 23 .0 138 131 22/ 21 207 19 59 73 18/ 17 45 16/ 15 14/ 13 26 29 12/ 11

PSYCHROMETRIC SUMMARY

TOTAL

Mean No. of Hours with Temperature

and the second s

≥67 F × 73 F × 80 F × 93 F

WILLIAMS AFB ARIZONA/CHANDLER 42-45,47-74

WET BULB TEMPERATURE DEPRESSION (F)

DATA PROCESSING BRANCH USAF ETAC

AIR WEATHER SERVICE/MAC

Temp.

(F)

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MAR

TOTAL

PAGE 1

0080-0000

26

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74 HAR PAGE 2 0600-0800 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb, Dew Point 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 26 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 4/ 3. 0/ -1 ( 1 -2/ -3 -4/ -5 1 €. .710.816.419.417.213.411.0 6.7 2.7 1.4 TOTAL 2704 2704 2704 C £ ĸ ₹ 9 0.36.5 55.519.731 48.7 7.049 41.4 5.636 <sup>2</sup>x' 9393807 Element (X) z x No. Obs. Mean No. of Hours with Temperature 2704 2704 2704 150185 ± 0 F Rel. Hum. ± 32 F 267 F 273 F - 80 F → 93 F 6537435 4727408 93 93 131583 Dry Bulb 1.0 112030 Wer Bult 6.41 Dew Point 31.8 9.455 2704 25031 45.5 93 The state of the s

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.26-5 (OL A)

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104

WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74 STATION NAME

MAR MONTH

PAGE 1

0900-1100 HOURS (L. S. T.)

Temp.									ATURE									TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	?3 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W,B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87				Ī												•0		l	1		
86/ 85		İ													. 1			3	3		ļi
84/ 83		r <sub> </sub>											• 0	•0	•0	•0		4	4		
82/ 81		, ,	. 1			1	į				j	[	. 1	• 2	. 1	•0	• 0	13	13		
80/ 79		-							•0	•0		• 1	• 2	• 4	. 1			26	26		
78/ 77		i i				1			. 1	. 1	. 1	. 2	.7	. 3	• 2			48	48		
76/ 75									• 1	• 1	.6	1.0	1.0	• 3	• 1			93	93		
74/ 73		l _			]	• 0	i	. 1	- 2	. 4	7	1.5	. 8	_ 1	Ì			110	110	<u> </u>	<u> </u>
72/ 71		1					. 1	. 3	. ઇ	. 5	1.6	1.4	. 5	• 1				151	151		
70/ 69							. 2	• 6	1.7	1.7	1.9	. 7	• 1					195	195		
68/ 67						• 1	• 5	• 8		1.7	1.8		• 1		1			208	208		
66/ 65		L		•0	•0	. 3					1.2	• 3						255	255		
64/ 63			.0		. 1	• 7		1.8			• 6	• 2						246	246		
62/ 61			.0		. 5	1.3	2.2	1.8		1.4	. 3	• 0						273	273	3	
60/ 59		• 1	. 1	+ 4	1.0	1.5			1.1	• 9	. 2							260	260		
58/ 57		• 1		• 5	1.0	1.6	1.3	1.5	• 8	• 2	•0							211	211	59	
56/ 55		.0			1.2	1.8	1.2	1.0	• 6	• 3								198	199		6
54/ 53	<u>•</u> C		. 5			1.2	. 5			• 0								182	182	306	
52/ 51	. 1	1	. 7	1.3	. 8	• 7	• 5		.3						1			141	141		
50/ 49		. 1			.6		. 7		• 0					l				120	120	469	
48/ 47	• (				• 3	• 3	• 2	• 1				[ [						71	71	429	
46/ 45	• 0			• 2	• 2	• 1	. 1					<u></u>						48	48		112
44/ 43	•0			• 2	• 1	•0	• 1					( (			. (			20			
42/41	• (	• 1	.1									l						6			215
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Element (X)		Σχ²			z <sub>X</sub>		X	· *x		No. OL	8.				,			h Tempera			
Rel. Hum.				<u> </u>		- -						± 0 1	F   :	32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																		<b></b>			
Wet Bulb																		<del> </del>			
Dew Point	<u> </u>														L			ــــــــــــــــــــــــــــــــــــــ			

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER HAR 42-45,47-74 0900-1100 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 20/ 19 18/ 17 74 67 16/ 15 53 14/ 13 43 12/ 11 32 10/ 20 9 8/ 22 13 5 6/ 3 4/ 2/ 3 0/ -2/ -3 3 -4/ -5 -6/ -7 2896 TOTAL 1.3 4.6 6.1 7.510.212.512.613.310.7 9.0 6.1 3.5 1.6 2897 2896 2896 THIS ₹ Š 0.26-5 FORM JUL 64 Σχ' 5073169 Z<sub>X</sub> 108745 No. Obs. Mean No. of Hours with Temperature Element (X) USAFETAC ≥ 80 F ≥ 93 F Rel. Hum. 2896 ≥67 F ≥ 73 F ± 0 F ≤ 32 F 2897 93 179005 11261361 27.4 9.6 Dry Buib 1.1 6792635 139543 2896 93 • 2 Wet Bulb

61.8 8.324 48.2 4.875 32.7 9.928 94697 2896 93 42.1 3381853 Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

 Mean No. of Hours with Temperature

 ≥ 67 F
 ≥ 73 F
 ≥ 80 F
 ≥ 93 F

≤ 32 F

≤ 0 F

197 203 168

TATION				ST	ATION NA	ME			<del></del>			7-74		YE	ARS					MON	
																		PAGE	1	1200-	
Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
4/ 93	Į										i					1	• 0	1	1		
2/ 91																	• 1	3	3		
0/ 89	ļ					l					ĺ				_	- 1	• 3	10	10		
8/ 87												•0		•0		.2	• 3	24	24		
6/ 85													_	• 2	. 7	.7	.2	54	54	į	
4/ 83									ļ	<u> </u>			• 3	.7	1.1	.7	-1	82	82		
2/ 81	į									_	• 1	• 2	. 6	1.3	1.1	• 4	• 1	111	111		
79								•0		.2	.4	.9	1.5	2.4		-2		193	193		
3/ 77						ļ	• 0	.0	1	1	• 6	2.1	1.9		. 4			214	214		
5/ 75									• 2		1.1	2.7	2.3	.9	•0			230	230		
3/ 73	ĺ							• 1	•6			1.9	1.5	•7				229	229		
2/ 71							- 6								• 1			253	253		
0/ 69						ا ا	• 2	. 8		2.1	1.7	1.4	• 7	• 1				253	253		
3/ 67						• 1	7					.9	<u>• 1</u>					213	213 195		
6/ 65					• 1	• 3	• 4					• 5	• 1					195	-		
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2/ 61		1	• 1		•2 •3	7	. 8				.3	• 1						161	161	77	
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8/ 47	•0	2						• •	1	1						1		19	19	290	
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0-26-5 (OL A)

34/ 33 32/ 31 30/ 29 20/ 27

Element (X)

Rel. Hum.

Dry Bull Wet Bulb Dew Point

USAFETAC

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

(OLA)

0.26-5

#### **PSYCHROMETRIC SUMMARY**

OLO WILLIAMS AFB ARIZONA/CHANDLER 42-45,47-74

STATION STATION NAME

PAGE 2 1200-1400
HOURS (L. S. T.)

WET RULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 26/ 25 190 121 22/ 21 142 84 20/ 19 18/ 17 100 16/ 15 81 13 46 12/ 11 39 10/ 9 25 28 8/ 5 12 6/ 27 1 9 1 -4/ -5 -8/ -9 -10/-11 2912 TOTAL 4.4 6.2 8.311.011.811.912.510.4 8.6 4.7 2.3 1.0 2912 1.0 1.3 2.1 2.4 2912 2912 Element (X) No. Obs. Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F 59.7 36.8 12.5 2947473 80299 27.615.843 2907 ±0F Rel. Hum. ≤ 32 F 93 14271576 69.4 9.013 202164 2912 Dry Bulb 7660958 3123149 51.1 4.681 31.110.165 93 Wet Bulb 148735 2912 2912 .3 46.8 90657 93 Dew Point

\$ DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 42-45,47-74 23104 WILLIAMS AFB ARIZONA/CHANDLER MAR PAGE 1 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 94/ 93 •0 92/ 91 8 90/ 89 27 27 88/ 87 86/ 85 54 54 . C 80 80 • 0 64/ 83 115 115 1.5 82/81 200 200 2.1 . 2 2.3 80/ 79 1.6 2.8 208 208 1.6 . 8 225 78/ 77 2.5 225 2.0 • 0 1.7 • 0 76/ 75 1.5 1.9 242 2.2 242 1.9 2.0 74/ 73 3.0 1.8 257 257 72/ 71 1.5 . 8 201 201 70/ 69 1.5 1.1 187 187 • 4 68/ 67 1.4 2.2 . 8 • 2 221 221 143 145 64/ 63 . 8 1.3 137 137 62/ 61 145 19 145 . 8 1.0 . 8 .6 • 0 60/ 59 103 103 113 587 57 81 234 81 56/ 55 57 420 4 57 54/ 53 50 50 529 6 52/ 51 446 17 • 0 28 28 50/ 49 29 29 380 29 . 1 • 2 48/ 47 17 17 247 48 46/ 45 212 84 44/ 43 109 104 1 42/ 41 1 66 121 40/ 39 157 26 199 38/ 37 C 36/ 35 230 34/ 33 32/ 31 233 232 30/ 29 196 28/ 27 167 Element (X) No. Obs. Mean No. of Hours with Temperature O O USAFETAC Dry Bulb Wet Bulb Dew Point

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USAFETAC FORM 0.26-5 (OLA) revised nervous comons of this folk are obsolete

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-45,47-74 HAR STATION STATION NAME 42-45,47-74

PAGE 2 1500-1700

Temp.						WET	BULB	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 4	7.0		11 - 12						23 - 24	25 - 24	27 - 29	29 -	30 ≥ 31		Dry Bulk		Dew Point
26/ 25		+	3.4	3.0	1.0	7- 10	11.7.12	13 - 14	13 - 10	17 - 10	17 - 20		23 - 24	23 - 20	27 - 20	1	30 - 23,		1, 50.0		191
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20/ 19			}		\	}	1		}	}		1		1	1	}	1		ĺ		102
18/ 17			<del> </del>		<del> </del>	<del> </del>	-							<del> </del>	<del></del>	<del> </del> -	_				112
16/ 15			1	1	1		}		<b>S</b>	}		}		1	1	1	}	'	· '		93
14/ 13			<del> </del>	<del> </del>	<del> </del>	<del></del>	<del> </del>			<del> </del>				<del>                                     </del>	<del> </del> -	┼──					56
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TOTAL		1 .9	1.3	1.7	2.1	2.3	4.3	5.5	9.9	10.8	11.9	12.3	12.0	11.1	7.4	4.	2 2.4		2827		2823
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Element (X)		Σ <sub>X²</sub>			ZX	<u> </u>	X	•,		No. O	5.				Mean	No. of	Hours with	Tempera	ture		
Rel. Hum.			26752		703	42	25,0	15.4	28	28	17	≤ 0	F	⊴ 32 F	26	7 F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			58546		2019	58	71.4	9.2	32	28	27				66	.6	46.6	19.	7	.0	93
Wet Bulb		738	37787		1458	23	51.6				25				1	•0					93
Dew Point		284	3353		849		30.1				23		• 3	52.3	5				1	$\neg \vdash \neg$	93
				<del></del>														·			

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME

42-45,47-74

MAR

PAGE 1

YEARS

1800-2000 HOURS (L. S. T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89			_														• 1	3	3		
88/ 87														.0	.0	. 1		4	4		
86/ 85														• 0		• 2	•1	15	15		
84/ 83													• 0	• 4	• 1	. 2		18	18		
82/ 81				i								• 2	• 3	. 6	.5	• 2	•0		45		
80/ 79											•0		1.0			. 2		71	71		
78/ 77				[			ĺ			• 2		• 7	1.2		• 2			90	90		[
76/ 75									•1	.3			1.1	• 7	•0			121	121		
74/ 73				ĺ		ļ		• 0	ì	1.3			1.1	• 4				155	155		ļ
72/ 71					.0		• 1	. 4		. 9			• 7		• 0			181	181		
70/ 69					l	• 1	. 3				2.0	1.4	• 2					221	221	<b>!</b>	ļ
68/ 67					• 1	.1	• 5	1.1	2.1	2.8		• 6	• 1					228	228		
66/ 65	• (	1		i	•0	• 2		1.9	2.1	2.0		- 1	• 1					224	224	1	1
64/ 63					, 2	• 6				1.3		• 2		<u> </u>				216	216	1	
62/ 61			.0	. 2		.7		1.6			• 2							182	182	5	
60/ 59	~	• 1		• 1	.6				1.4		-1			ļ				194	194	35	
58/ 57		•0		• 4	• 5	• 9	1.1	1.4		•								141	141	106	
56/ 55		• 2		. 5	. 8			.7	• 7	<u> </u>				<u> </u>				126	126	214	
54/ 53		• 0			. 6			• 4										81	81	360	
52/ 51		•0		• 5		• 6		.4						<u> </u>				78	78	413	
50/ 49		• 2	• /	• 2 • 2	. 3			- 1	i	ļ		i i		1				57	į	413	
48/ 47		. 3				• 2				<b> </b>				ļ				40		341	4,5
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44/ 43		•1				•0	.0			<u> </u>				ļ				7	<u> </u>	197	
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38/ 37				į						ļ										27	
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29/ 27									<u> </u>					<u> </u>				<b> </b>	<b></b>		151
26/ 25		!												1							140
24/ 23		-	<u></u>		<u></u>		اسيا		<del></del>		L			<u></u>	لمسل		ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u> </u>	<u> </u>	121
Element (X)		Σχ²		<u> </u>	Σχ		X	*x		No. Ol	15.				<del></del>			h Tempero			
Rel. Hum.												± 0 ₹		± 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	<u> </u>	Total
Dry Bulb															ļ			ļ			
Wet Bulb									_						ļ			ļ	_		
Dew Point			_					L							L			L			

(OLA) REVISED MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0.26-5 (OLA) RENSED MENOS

USAFETAC

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 23104 42-45,47-74 MAR STATION NAME MONTH 1800-2000 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Poir. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 22/ 21 103 74 20/ 19 18/ 17 66 16/. 15 56 14/ 13 31 22 12/ 11 10/ 9 21 7 8/ 5 61 4/ 3 -4/ -5 -6/ -7 -8/ -9 -12/-13 TOTAL 2538 0 1.9 2.9 2.8 4.7 6.010.413.113.613.0 9.8 9.5 5.8 3.8 1.6 2538 • 3 2538 2538 C 0.26-5 (OL C FORM 34 04 No. Obs. Element (X) Mean No. of Hours with Temperature USAFETAC 33.017.361 3526089 83717 2538 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum 10 F ≤ 32 F 65.2 8.729 49.5 4.779 32.3 9.609 93 10968438 165370 2538 4.2 Dry Bulb 42.2 19.1 6283318 125698 2538 93 Wet Bulb .0 93 81925 2538 Dew Point 2878753 45.1

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** 2 AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-45,47-74 MAR STATION STATION NAME MONTH ٤. PÁGE 1 2100-2300 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 80/ 79 • 0 76/ 75 8 747 73 12 12 28 72/ 71 . 1 . 3 . i .0 28 • 2 52 70/ 69 •0 52 68/ 67 71 71 . 8 116 116 66/ 65 64/ 63 2.2 2.0 . 3 178 178 62/ 61 1.9 2.0 193 193 60/ 59 2.7 2.2 1.8 235 2.4 • 2 235 58/ 57 2.7 2.0 2.6 267 267 20 4 .6 4. 56/ 55 2.0 3.1 . 2 232 37 1.9 1.1 232 54/ 53 1.0 1.9 1.7 1.0 179 179 120 10 1.1 52/ 51 2.0 .7 154 154 188 17 50/ 49 137 137 299 36 1.3 48/ 47 . 8 123 123 367 47 45 . 9 .9 325 94 46/ 1.0 91 • 2 46 300 153 44/ 43 46 42/ 41 18 18 214 156 • 1 9 125 9 174 40/ 39 38/ 37 3 167 171 44 <u>36/</u> 35 34/ 33 13 142 9 156 32/ 31 30/ 29 28/ 27 165 125 111 26/ 25 107 24/ 23 90 21 22/ 20/ 19 65 18/ 17 40 16/ 15 34 29 14/ 13 12/ 11 11 Mean No. of Hours with Temperature Element (X) SAFETAC z 67 F | z 73 F | z 80 F | z 93 F Rel. Hum. ≤ 32 F 10 F Dry Bulb Wet Bulb Dew Point

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER MAR 42-45,47-74 STATION STATION NAME HTHCM PAGE 2 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B./W.B. Dry Bulb | Wet Build | Dew Point 10/ 3/ 16 5 61 6 4/ 2/ 1 -4/ -5 -6/ -7 .3 3.5 6.5 3.410.917.916.514.2 9.9 6.7 3.8 TOTAL 2149 2149 2149 2149 REVIEES () ₹ 10 ζ, 0.26.5 No. Obs. Mean No. of Hours with Temperature Element (X) 94445 4904845 Rel. Hum. 2149 ≤ 32 F ≥67 F ≥ 73 F × 80 F × 93 F 56.8 6.912 46.0 4.845 33.0 9.684 7046804 122160 2149 Dry Bulb 98842 2149 4596608 93 Wet Bulb 2535155 70833 2149 42.3 Dew Poin:

2

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

## **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-60,64-65,73-74

APR

PAGE 1

0000-0200 HOURS (L. S. T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81												+1						1	1		
80/ 79		!	ii										• 1			Į		1	1		1
78/ 77										• 2			• 1	• 1				6	6		
76/ 75									.2			. 1	. 1			Ī		10	10		İ
74/ 73									.3	. 3	.5	• 3	• 2					29	29		
72/ 71								• 1	.5	3		. 3	• 1			į		61	61	1	
707 69					• 1	• 2	• 2	• 5	1.1	1.5	1.3	. 8	• 2					111	111		
68/ 67					. 3			1.0		2.3	. 8	. 3	• 1	_		_		137	137		l
66/ 65		1		• 1	. 1			1.9			1.1	. 1						178	178		
54/ 63:		1		.1	. 3	• 8		2.5		1.5	• 2	• l						209	209		; <b>.</b>
62/ 61		1	• 2	:		. 7		3.2		.5	• 2							199	100		
60/ 59		. 2						2.9		2	<u> </u>	(			!			229	229		Ĺ
587 57		• 1						1.9										166	166		
56/ 55		• 1	- 5					1.2	.5							\		157	157		8
54/ 53		• 2						• 9			1				T			117	117		18
52/ 51		. 8					1.3	. 4			<u> </u>							105	105		17
507 49		• 1	• 5															74	74		27
48/ 47		.3						• 1										57	57		64
46/ 45		• 2						• 1	}		1							30	30		75
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Element (X)		Σχ'			z <sub>X</sub>	_ _	X	· ,		No. O								h Temperat			
Rel. Hum.				ļ					<del> </del>			± 0 F		32 F	≥ 67 1		73 F	> 80 F	≥ 93	F	Total
Dry Bulb				<b> </b>		_									ļ	_		<u> </u>	<del>- </del> -		
Wet Bulb															ļ			<del> </del>	<del> </del>		
Dew Paint				<u> </u>											<u> </u>			<u> </u>			

FORM 0.26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS FORM ARE OIL

USAFETAC 10th 0.26.5 (O) A

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23104 Temp.

USAFETAC

## **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER APR 42-60,64-65,73-74 STATION NAME MONTH

0000-0200 HOURS (L. S. T.) PAGE 2

Temp.						WE'	T BULB	TEMPE	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7.8								23 . 24	25 . 24	27 . 39	29 . 3	0 ≥ 31		Dry Buth		Dew Por
14/ 13			1	3.0	7.0	17.10	11111	1314	13-10	117 - 10	17 - 20	21 - 22	23 - 24	23.20	27.20	27.	-	<del>}</del>	0., 00.0	1	11
12/ 11		!		1	ļ		į	ĺ	İ	!				1				ĺ	1		- 5
12/ 11 10/ 9		<u> </u>	<del> </del>	<del> </del>		<del> </del> -		<del>-</del>		<del> </del>	<del></del>			<del> </del> -		┼	<del></del>	<del> </del> -	<del> </del>	<del> </del>	
0/ 7		ĺ	i		}	j		1	1	1								1		1	1 7
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

WILLIAMS AFB ARIZONA/CHANDLER

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#### PSYCHROMETRIC SUMMARY

APR

PAGE 1 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 76/ 75 74/ 73 72/ 71 70/ 69 21 21 • 0 • 0 . 1 . 1 27 27 68/ 67 64 63 66/ 65 85 85 64/ 63 154 154 2.0 62/ 61 1.8 209 209 1.7 2.3 3.5 1.8 3.0 2.9 60/ 59 244 1.7 244 58/ 57 248 1.0 248 56/ 55 2.6 2.6 236 236 8 54/ 53 1.7 3.2 . 8 198 93 198 12 .5 1.9 2.4 1.1 1.7 2.3 52/ 51 193 193 125 27 50/ 49 130 289 180 32 48/ 47 1.6 123 123 306 43 1.2 46/ 45 . 8 82 82 402 65 44/ 43 52 52 292 103 42/ 41 35 35 219 111 173 40/ 39 15 158 • 0 15 38/ 37 104 154 36/ 35 181 60 34/ 33 27 193 32/ 31 214 30/ 29 3 170 28/ 27 126 26/ 25 165 24/ 23 104 22/ 21 111 20/ 19 59 18/ 17 54 16/ 15 26 14/ 13 30 12 10/ Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ± 0 F ≤ 32 F 267 F 273 F 280 F 293 F Total Dry Bulb Wet Bulb Dew Point

42-74

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DATA PROCESSING BRANCH USAF E AC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER APR STATION STATION NAME HINOY PAGE 2 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE 0 TPRESSION (F)

1 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 1 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb | Wer Bulb | Dew Poin Temp. (F) 8/ 6/ 2182 0 3.3 5.8 6.613.119.717.116.010.3 5.7 1.7 TOTAL 2182 2182 Ē 0 ã 3 0.26.5 43.617.189 Element (X) No. Obs. Mean No. of Hours with Temperature 4794434 95160 Rel. Hum. 2182 10F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F 122122 55.0 6.783 45.3 5.051 90 6935250 2182 5.0 Dry Bulb 98851 4533883 2182 90 Wet Bulb 32.4 9.096 Dew Point 2467485 70673 2182 45.0 90 

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

WILLIAMS A. & ARIZUNA/CHANDLER STATION RAME 42-74 APR HT-OM 0600-0800 HOURS (L. S. T.) PAGE 1

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DATA PRUCESSING BRANCH USAF ETAD AIR WEATHER SERVICE/MAC

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

# **PSYCHROMETRIC SUMMARY**

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Rel. Hum.			2482	<del>.</del>	110:	378	40.7	16.	84		12	± 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
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Wet Bulb			7722		1254		46.2	5.1	87	27	13			.6	-	<del></del>		<del> </del>	<del></del>	<del> </del>	9
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

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23104 WILLIAMS AF8 ARIZONA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp.						WET	BULBI	FMPER	ATURE	DEPRE	SSION (	E)						TOTAL	1	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 - 22	23 . 24	25 . 26	27 . 28	29 - 30	≥ 31		Dry Bulb		Dew Point
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78/ 77								•0								-		217		<u> </u>	
76/ 75							.0	.1					2.2			ļ		267			
74/ 73						•0	.0	• 2			1.7	2.0	1.7	.5				240			
72/ 71						.1	• 1	.4	1	1.7			.7	1	•			253	253		
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Rel. Hum.					<u> </u>			<del>                                     </del>				≤ 0	F	≤ 32 F	≥ 67	7 6   1	73 F	≥ 80 F	× 93	F	Total
Dry Bulb																					
Wet Bulb															T						
Dew Point																					

(C) A) REVISED MENOUS EDITIONS OF THIS FOLM ARE OLD OFFITE

FORM 0.26-5 (OL A) REVISED MEVIC

USAFETAC FORM

C.26-5 (OLA) TEVISTO REVISOS EDITORS OF THIS FORM ARE OBSOLETE

DATA FROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

TOTAL

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION NAME

APR

MONTH

PLOT 2 CORD 110

WET BULB TEMPERATURE DEPRESSION (F)

PAGE 2 0900-1100

temp.							0000			DE: 112	331311 (	<u></u>						IOIAL			
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
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24/ 23					ļ	Ì						Ì	Ì		] ]						152
22/ 21												1									124
20/ 19		l										l									78
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16/ 15						l						l		į						<u> </u>	35 23
14/ 13															Ī		Ī —			ļ	23
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Rel. Hum.			7387		774	11	₹ 26.8	13.4	52		88	<b>±</b> 0	e l	≤ 32 F	≥ 67		73 F	≥ 80 F	≥ 93	<u>-</u>	Total
Dry Bulb		1509	1153	<del>                                     </del>	2072	53	71.7	8.7	89		89	- 0	<del>-</del> +	- 74 /	·		43.4			.2	90
Wer Bulb		804	8150	<del> </del>	1518	100	52.6	4.1	96		88					.2		<del> </del> -	<del></del>	<del></del>	90
Dew Point			3363		959		33.2				88		•1	42.3				<del> </del>			<del>9</del> 0
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

APR MONTH

PAGE 1

1200-1400 HOURS (L. S. T.)

Temp	p.				<del>,</del>		WET	BULB 1	FEMPER	ATURE	DEPRE	SSION (	F)	<u></u>					TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	<b>2</b> 31	D.B./".B.	Dry Bulb	Wer Buib	Dew Point
100/																	ì	•1	2	2		
98/													į	ĺ		-		.4	12	12		
95/	95														. 1	• 1	•1	1.3	48	48		
94/	93							ì	Ì	]	Ì		l		.1	1	.2	2.2	75	70		
92/	91													• 1	• 1	.3	1.1		112	112		
90/	89												.1	• 1	.4		1.8	2.0	149	149	İ	
83/	87											• 1	•1	.1	1.0	1.6		1.3	184	184		
85/	85										.0	.0	. i	.3	1.2		2.5	1.0		217		
84/	83										. 1	• 1	• 2	1.6	2.2	2.5	1.6	•6	260	260		
82/	81								.0		.1	.2	.7	1.6	2.3	2.2	.7	.4		240		
807	79		T						•0	.1	•2	.6	1.7	1.8	2.7	1.6	.6	•0	265	265		
78/	77									.1	• 5			2.1	2.1	.6	.1	L _	243	2.43		
76/	75								. 2	•2	•5	1.1	1.8	1.9	1.1	• 1	Ι		199	199		
74/	73							• 1	.1	.5	. 8	1.2	1.2	1.3	.4	.3	]		173	173		
727	71					• 0	•0	• 1	.3	• 5	• 6			. 5	• 1	T	[		141	141		
70.	69						.0	• 1	.3	.8		1.3	. 8	. 3	·L			l	138	138	10	
68/	67						• 1	• 1	.3			1.1	.4	• 1	Ţ	[		1	108	100	21	
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58/	57			• 1		• 2	• 1				<u> </u>				<u>L</u> _	<u> </u>	<u> </u>		24	24	430	
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48/	47			.0	• 0				<b>!</b>			}	İ	ļ			ļ		2		145	41
46/	45		1 .1							<u> </u>	<u> </u>	L	<u> </u>	L	<u> </u>	<u>'</u>	<u> </u>	<u> </u>		·	96	
44/	43		.0	1	İ						ĺ				1	1			1	1	34	116
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36/			1		[			! !	1	1		}		<b>\</b>			1	1	1			218
34/				<u></u>				<u></u>			<u></u>	<u> </u>		<u> </u>		<u></u>	<u></u>		<u> </u>		<u> </u>	226
Elemen			Σχ²			z <sub>X</sub>		X	· K		No. Ol	·s.						~	h Tempera			
Rel. Hu					L								± 0	F	≤ 32 F	≥ 67	F i	73 F	≥ 80 F	≥ 93	f	Total
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0.26-5 (OLA)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

FOEM 0.26-5 (OL A)

#### PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZINA/CHANDLLR 42-74

STATION STATION NAME

PAGE 2 1200-1400
HOURS (L. S. T.)

Tenp.							BULB T											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./₩.B.	Dry Buib	Wet Bulb	
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30/ 29			i !				<u> </u>			<u> </u>		<u> </u>	<u></u>	1				<u></u>	i		234
28/ 27										ĺ	}	i i		]			T			,	216
26/ 25				<u> </u>	l		ll			L				L			<u> </u>				238
24/ 23					Ĭ													1			200
22/ 21		<u> </u>	İ		l		]]				<u> </u>	l		<u></u>		<u> </u>	<u>]</u>		L	[	152
20/ 19										1							Ţ				106
18/ 17	·	<u> </u>		<u> </u>							<u> </u>	<u></u>		<u> </u>			<u> </u>				51
16/ 15										ļ								i			45
14/ 13		Ĺ			l		<u> </u>					<u></u>		<u> </u>	<u></u>		<u> </u>				20
12/ 11			1	ļ	1						]			}							17
10/ 9											l						<u> </u>	ļ			5
8/ 7																					<u>5</u> 3
6/ 5		<u> </u>					<u>                                     </u>				<u> </u>			<u> </u>	<u> </u>		<u> </u>				2
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TOTAL		• 2	•4	.6	• 7	1.1	1.5	3.2	5.3	6.4	9.1	11.0	11.9	14.0	12.3	10.9	11.5		2896		2894
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Ret. Hum.			0622		<del>594</del>	40	20.5	11.4	58		94	± 0	F	≤ 32 F	≥ 67		≥ 73 F	≥ 80 F	, 93	f T	Total
Cry Bulb		1311	8003		2275	03	78.6	9.1	99		96	<del>-</del> -	-	<del></del> -	79		67.7			.3	90
West Bulb		881	3189		1591	03	55.0	4.7	84	28	94				1	•0		<del>                                     </del>	<del>-   :</del>		90
Dew Point			2850		927		32.0				94		•0	48.3		<u></u> }		<del> </del>	<del></del>	<del></del>	90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

O OSAFETAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 1500-17

1500-1700 HOURS (L. S. T.)

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101																	•0	1	1		
100/ 99																	• 2	5	5		
98/ 97														• 1	• 1	• 0		38	38		
96/ 95												1			. 1		2.5	75	75		
94/ 93													• 0		• 1	• 3			99		
92/ 91							<u> </u>						• 0		•5	1.2	3.8	158	158		
90/ 89											• 1	• 1	• 1	• 3	• 5	2.0	3.4	183	183		
88/ 87											.0	• 0	<u>• 1</u>	• 5	1.1	3.5	2.1	208	805		
86/ 85							ĺ			•0	• 1	• 0	.7	1.5	,	2.9		251	251		
84/ 83											.1	, 4	1.1	1.8		2.5		281	281		
82/ 81						l			•0	1 3	• 1	- 9	1.1	1.9		• 7	• 1	214	214		
80/ 79										• 2	• 4	1.1	2.0			.3	• 1	240	240		
78/ 77						i		١.	.1	• 3	1.0	1.2	1.9	1.7	• 4	•1	]	186	186		ļ
76/ 75					<u> </u>	<u> </u>	L	• 1					1.5			ļ	ļ	159	159		ļ
74/ 73						١ _	•0		.2	- 8	1.3	1.4	1.3			ļ	ļ	165	165	2	
72/ 71				<b> </b>		•0		.2	.3		1.2	1.2	• 4	• 2	<u> </u>	ļ	ļ	121	121	5	
70/ 69			1		1	١,	•1	• 1	•5		. 9	•9	• 4		ļ	ľ	1	97	97	9	
68/ 67				ļ		<u> • 1</u>			.2		1.0		• 2		ļ	<u> </u>		96	96		
66/ 65			• 0	i	.0	į.		• 2	.4		• 5	• 1			<b>!</b>	ļ	•	62	62 44	22 72	
64/ 63		ļ				• 1						• 1		<u> </u>	<u> </u>	<u> </u>		44	47	230	
62/61				• 0	• 1		• 2				• 1	• 0		ĺ	ļ	ł	[	47	29	398	
60/ 59 58/ 57			•2	• 1		• 2		. 2		• 1	• 1			ļ		<del> </del> -	<b> </b>	29 18	18		
58/ 57 56/ 55		,						.1	•0						<b>\</b>	1		13	13		
54/ 53		• 1	-:1	<del></del>		<del></del>	.0		<del> </del>	<del> </del>				ļi	<del> </del> -	}	<del> </del>	3	8	411	
52/ 51		ļ į	.1			1	• •	Ì	ļ						1	ļ	l	4	4		
50/ 49			• • •	•0		<b>├</b> ──	<del> </del>		<del> </del>	<del> </del>				<del> </del> -	<del> </del>		<del> </del>	2	- 2		
48/ 47		. 1	.1	1 -	4	1	1	}	1	\					1	ļ	[	6	6		
46/ 45					<del> </del> -		<del> </del>	l	<del> </del>	<del> </del> -				<del> </del>	<del> </del>		<del> </del>	<del>                                     </del>		73	
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42/ 41					<del> </del>	<del> </del>	<del> </del>		-					<del> </del>	<del></del>	<del> </del>	<del> </del>	<del>  </del>		13	1
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Element (X)		Σχ²	<u></u>		ZX	<del>'                                    </del>	X	- F	<del>'</del> —	No. Ob	s. T				Mean	No. of H	ours wit	h Temperat	ure		
Rel. Hum.				<del> </del>		<del></del>		<del>                                     </del>	_			201	F	32 F	≥ 67		73 F	≥ 80 F	= 93	F	Total
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Wet Bulb				<del> </del>				<del>                                     </del>	+				_		1			<del>                                     </del>	1	_	
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STATION

DATA PROCESSING BRANCH USAF FTAC AIR .: THER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME APR 23104

1500-1700 HOURS (L. S. T.) PAGE 2

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 . 4	5 · 6	7 - 8								23 - 24	25 . 26	27 - 28 2	29 - 30	<b>≥ 31</b>	D.B./W.B.	Dry Bulb		Dew Poir
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32/ 31		1			İ						İ										264
30/ 29		<del> </del>	<del> </del>	<del>-</del> -						<del> </del> -	<del> </del>			<del>                                     </del>			<b></b> -				274
28/ 27		i i	1				!			1	}	l			1		1		:		179
26/ 25		<del> </del> -	<del> </del>				<u></u>			<del> </del>	<del> </del> -	<del> </del> -					<del> </del>				260
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16/ 15			ļ								ļ										
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Wet Bulb		870	14222	ļ	1558	30	55.5	4.7	20	28	10		1 -		1.	. OI 🗀	• 1		1	1	90
Dew Point			0797		874		31.1				10			53.3					<del></del>		90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

3104 STATION	<u>w 1</u>	ILLIA	PIS A		ATION N		HARU	LEK		42-	14			ΥĒ	ARS			PAGE		MON	
																		PAUE	ı.	1800-	
Temp.											SSION (I							TOTAL		TOTAL	
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90/ 89						<u> </u>								- 1	.3	. 8	1.1	59	59		
88/ 87										ĺ	• 0	• 0	• 1	.3	• 9	1.4	• 5		85		
86/ 85										.1	•0	• 1	• 3	_ • 7	1.2	1.1	• 3	99	99		
84/ 33							l i	ĺ	.0		• 1	• 4	• 9		1.4	1.2	• 3		161		
82/ 81										.2	. 3	1.0	1.5	2.0	2.3	.3	. 2	203	203		
80/ 79								. 1		. 2	• 6	1.5	2.3	2.3	- 8	• 2		203	203		
78/ 77								•0			1.4	2.3	2.1	1.9	3	• 1		229	229		
76/ 75							• 0		. 3		1.7	2.0	2.8	. 8	• 3			235	235		
74/ 73						L	•0			2.0	2.3	2.1	1.5	. 2	• 0			231	231		
72/ 71						• 1	.3		1.1	1.2	1.9	1.8	• 5	• 1				184	184	1	
70/ 69						.1	• 3				2.1	1.4	• 2					205	205	2	
68/ 67				• 0	.1	- 1					1.3	• 6	• 0					140	140	8	
66/ 65					• 1					1.2	• 9	• 2	• 0					118	118	9	
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lel. Hum.										-,		± 0	F :	32 F	≥ 67	F ≥	73 F	≥ 80 F	2 93 1	F	Total
Dry Bulb						$\neg$							_						1		
Ver Bulb				<del></del> -									<del></del>						+	<del></del> -	

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 42-74 WILLIAMS AFB ARIZUNA/CHANDLER 1800-2000 HOURS (L. S. T.) PAGL 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 32/ 31 30/ 29 225 195 174 28/ 27 180 26/ 25 24/ 23 181 12<u>1</u> 78 22/ 21 20/ 19 18/ 17 16/ 15 18/ 47 21 14/ 13 21 8 12/ 11 8/ 3 q 1.0 1.9 3.3 5.1 7.911.913.313.612.110.3 7.4 5.4 4.4 2572 TOTAL 2572 THIS FORM ARE OSSOLETE 2572 2572 a õ 0.26.5 X \*x 24.513.216 Elemens (X) No. Obs. Mean No. of Hours with Temperature USAFETAC 1998360 63126 2572 ≥ 67 F > 73 F ≥ 80 F ≥ 93 F Rel. Hum. ± 0 F ≤ 32 F Total 74.4 8.892 53.7 4.715 73.3 14441139 191363 2572 54.8 25.8 90 Dry Bulb 90 7461714 2572 138002 Wer Bulb .4 3018804 85086 33.1 8.908 2572 44.0 90 Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

WET BULB TEMPERATURE DEPRESSION (F)

APR

TOTAL

PAGE 1

TOTAL

2100-2300 HOURS (L. S. T.)

remp.		·									331011						0 0 010		10.25	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	30 2 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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74/ 73		!					• 1	. 2	.7	. 8	1.9	1.6	• 9	• 2	• 0		142	142		ļ
72/ 71							1	4	1.2	2.6	2.6	1.8	_• 5	• 0	į	- [	202	202		i
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68/ 67		i i	Ì	.0	. 2		. 5									Ì	240	240	)	Ì
66/ 65		i — —		• 2	• 1							• 2	•0				223	223		<del>                                     </del>
64/ 63			. 1						2.1			. 1		]	Ì		192	192		
62/ 61		•0	• 1							1.0							167	167	21	
60/ 59			٠, ٠											i . I			160	160		
58/ 57		• 0	. 2	.3	• 5	• 5	1.5	1.2						· · ·		<del></del>	123	123		
56/ 55		. 2	. 5	.3	, 4		• 4		. 5								86	86		
54/ 53		•2	• 4					.6		<u> </u>	<b> </b>	<del> </del>					80	80		
52/ 51		.2	. 4	. 5	.1												41	41	358	
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Rel. Hum.				<b> </b> -								≤ 0 1	F   -:	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93	<del>-  </del>	Total
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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-74 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ≥ 31 0.8√w,B. Dry Bulb | Wet Bulb | Dew Point (F) 18/ 17 53 16/ 15 14/ 13 20 12/ 11 6 10/ 1 8/ 2183 TOTAL .1 1.0 2.5 2.1 3.6 5.0 8.814.418.016.013.0 8.8 4.3 1.9 2188 2188 2188 8 ಠ 0.26.5 71928 Element (X) No. Obs. Mean No. of Hours with Temperature 32.915.410 65.8 7.419 50.2 4.664 33.5 9.014 2883862 9583723 5562971 267 F 273 F 280 F 293 F 43.8 16.6 2.2 2188 Rel. Hum. 10F 5 32 F Total 90 143895 2188 Dry Bulb 109853 2188 90 Wet Bulb 2639277 73389 90 2188 40.0 

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-61,63-65,68-70,72-74

MAY

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp.						WET	BULB T	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	D.B./W.B. D			Dew Per
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82/ 81			<u> </u>		i	ì				.0		. i	_ • 3	8.				29	29		
80/ 79									• 1	• 1	• 2	• 6	1.2	• 8				62	62		
78/ 77						l		.0	• 1	. 5	1.2		1.2	• 1				38	88		
76/ 75							• C	• 1	. 3	.8		1.7	1.1					123	123		
74/ 73							. 4	. 4	. 9				•6					184	185		
72/ 71				_		j	• 3	• 6					• 1	!		l i		236	236	ļ	
70/ 69			•0			• 2	•0	. 8		4.9	2.9		• 1		i.			257	258	<u> </u>	
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el. Hum.				<u> </u>								± 0 €		≤ 32 F	z 67 l	F   2 7	3 F	≥ 80 F	≥ 93 F	1	Total
ry Bulb									$\neg \vdash$									Î	1		
et Bulb				I					$\neg \vdash$				$\neg$		l	_		T		1	
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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZONA/CHANULER 42-61,63-65,68-70,72-74 MAY STATION NAME MONTH 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 20/ 19 18/ 17 16/ 15 41 43 32 14/ 13 18 12/ 11 9 8 10/ 87 7 3 0/ -1 .5 1.0 1.3 2.1 2.6 6.712.117.421.317.7 9.9 4.7 2.1 TOTAL 2067 2076 2067 2067 (OLA) 0.26-5 30.012.697 68.1 6.763 51.4 4.515 33.8 8.982 2193706 9711329 62016 141293 No. Obs. Element (X) Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F 57.8 23.0 4.0 2067 Rel. Hum. 10 F ≤ 32 F 93 2076 Dry Bulb 5498069 106177 93 2067 Wet Bulb 93 2525640 69828 2067 •0 39.0 Dew Point

2

D.. FA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 0200 DECC

PAGE 1 0300-0500

										DEFRE		<u> </u>						TOTAL		TOTAL	
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FORM 9.26-5 (OLA) NEWSED MEMOUS EDITIONS OF THIS FOR

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS " ARIZONA/CHANDLER 42-74 23104 YAM STATION YEARS MONTH PAGE 2 0300-0500 HOURS (L. S. T.) #ET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point Temp. 16/ 15 14/ 13 43 25 12/ 11 21 10/ 12 8/ 6 6/\_ TOTAL .8 1.3 2.1 3.2 6.212.819.522.117.5 9.4 3.8 •0 2325 2315 2315 2315 THIS 'ORM ARE OBSOLETE EDITIONS OF ( ( 0-26-5 (OL A) C € 77388 77388 X \*x 33.413.440 No. Obs. Element (X) Mean No. of Hours with Temperature 3004996 2315 2325 Rei. Hum. ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 63.3 6.534 48.8 4.856 32.5 9.158 9416428 147182 28.5 6.5 Dry Bulb 112978 5568184 2315 93

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

WILLIAMS AFB ARIZONA/CHANDLER 42-74

#### PSYCHROMETRIC SUMMARY

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0600~0800 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (.) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point .1 90/ 89 .0 88/ 87 10 10 .2 86/ 85 18 18 84/ 83 .6 • 0 47 47 82/ 81 71 .0 71 80/ 79 140 140 78/ 77 168 2.2 .3 168 • 1 1.1 1.4 . () 76/ 75 217 217 73 74/ 1.7 210 210 2.4 258 72/ 71 2.8 258 271 70/ 69 1.9 271 • 0 2.6 2.5 68/ 67 2.1 245 246 667 65 1.5 2.8 260 261 2.7 1.0 64/ 63 2.0 1.4 22 .0 204 206 1.5 62/ 61 .0 1.4 1.8 194 194 1.2 60/ 59 164 165 139 58/ 57 .0 110 111 212 12 56/ 55 83 84 363 18 53 43 43 382 14 .5 • 0 . 4 52/ 51 455 45 46 32 50/ 49 . 2 20 21 395 44 48/ 47 .0 17 17 301 70 46/ 45 200 . 0 112 44/ 43 141 145 41 59 169 42/ . 0 1 40/ 39 35 .0 245 38/ 37 253 35 36/ 13 244 34/ 33 258 32/ 31 261 30/ 29 201 28/ 27 170 26/ 25 156 24/ 23 118 Element (X) Σ×2 No. Obs. Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 280 F 293 F 10F ≤ 32 F Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANT USAF ETAC AIR WEATHER SERVICE/WAC

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER 42-74 23104 \_\_\_\_

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PAGE 2

0600-0800 HOURS (L. S. T.)

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Wet Bulb			11253		1444	43	51.4	5.2	16		10			•1				<del> </del>	<del>~ </del> -	<del></del>	93
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USAFETAC FORM 0.26-5 (OL A)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74
STATION STATION NAME

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PAGE 1

0900-1100 HOURS (L. S. T.)

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USAFETAC FORM 0.26.5 (OL A)

DATA PRUCESSING LRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME

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PAGE 2

0900-1100 HOURS (L. S. T.)

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0.26-5 (OL A) revised mevious editions of this form are our

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

23104 WILLIAMS AFB

Temp.
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110/109

### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION NAME

42-74

YEARS

PAGE 1 1200-1400

HOURS (L. S. T.)

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90/ 89								7							• 1	• 1	. 9			3.4	4.7	341			
88/ 87				[ [										. 1	.1	.7				3.1	2.2	275			
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME 23104 42-74 YEARS FORM 0.26-5 (OLA) USAFETAC

# **PSYCHROMETRIC SUMMARY**

МДУ MONTH

1200-1400 HOURS (L. S. T.) PAGE 2

Temp							BULBT											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wes Bulb	Dew Point
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40/ 39			!	i	İ		[							l				l		1	241
38/ 37					1				Ī												246
36/ 35		İ	l	1										l				l		İ	280
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32/ 31		1				1			!												292
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26/ 25									T	Ī											151
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22/ 21									Ī	,	ĺ										75
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Dew Point			4174		1022		34.4				76			38.2		• 7		<del> </del>			93
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

STATION STATION HAME

PAGE 1 1500-1700

HOURS (L. S. T.)

Temp.						WET	BULB	<b>TEMPER</b>	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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108/107			ì	ļ					l	ļ			'				. 4	11	11	Į.	
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104/103				ļ					ĺ	i							1.4	41	41	l	
102/101									i — —								2.7	78	78	[	
100/ 99		) )		1					•	)	) '				•0		5.4		158	1	
98/ 97									<del> </del>	!					• 1	• 5			273		
96/ 95		1 1						Ì	Ì	1				. 1	. 1		10.1	318	318	1	
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86/ 85		1					<del>                                     </del>		<del> </del> -	.0		. 4	•6		1.7	1.6			176		
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Rel. Hum.								^	<del>-  -</del>			'± 0	F	32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
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Dew Point								<del>                                     </del>	-									<del> </del>			
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

2-74

MAY

PAGE 2

1500-1700 HOURS (L. S. T.)

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Wet Bulb		1037			1727		59.8				88		$\neg \vdash$			. 3		T		<del> </del>	9
Dew Point			6756		961		33.3	8.3	77	28	88		•1	41.8				<del> </del>	<del></del>		

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USAFETAC

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

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MAY

PAGE 1

1800-2000 HOURS (L. S. T.)

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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104/103																	•4	12	12		
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90/ 89						ļ						• 1	•3	8.	1.8	2.7	3.4	239	239	( )	(
88/ 87												• 3		1.2	2.7	2.5	1.6		241		
86/ 85					}	}					• 2	. 5	1.0	2.5	3.4	1.6	•6	262	263		
84/ 83							<u> </u>			.1	• 3			2.1	2.6	•6		230	230		
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Dry Bulb																					
Wet Bulb																					
Dew Point																					
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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AF3 ARIZONA/CHANDLER 23104 STATION 42-74 MAY YEARS 1800-2000 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 202 4C/ 39 38/ 37 35/ 35 266 249 34/ 33 303 32/ 31 256 177 30/ 28/ 27 170 142 26/ 24/ 23 81 21 19 22/ 70 20/ 42 18/ 17 25 16/ 15 18 14/ 13 14 EDITIONS OF THIS FORM ARE OBSOLETE 12/ 10/ 87 4 TOTAL .2 1.1 2.1 3.7 6.8 9.612.812.414.010.825.3 2667 2667 2667 ব 9 0.26.5 70 EM No. Obs. Mean No. of Hours with Temperature Element (X) O O O 47583 Rel. Hun. 1148311 2667 ± 32 F 267 F 273 F 280 F 293 F 19228725 9051277 85.3 225779 84.4 8.188 2676 90.9 08.6 15.2 Dry Bulb 93 154967 58.1 4.193 1.2 2667 Wet Bulb

Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER MAY 42-74 STATION NAME MONTH PAGE 1 2100-2300 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 98/ 97 96/ 95 94/ 93 • 0 • 2 92/ 91 • 2 90/ 89 26 • 1 26 88/ 87 43 • 2 86/ 85 + 8 .01 84/ 83 102 102 1.0 • 1 189 82/ 81 .6 1.1 2.6 2.4 189 80/ 79 78/ 77 1.6 2.2 2.8 • 3 251 251 2.6 .1 244 2.5 2.0 245 3.1 1.4 .0 2.8 3.7 76/ 75 2.3 273 274 3.7 274 74/ 73 1 3.1 273 72/ 71 70/ 69 1.0 3.0 1.9 230 230 208 1 2.1 2.4 1.9 209 1.7 68/ 67 1.8 140 141 66/ 65 13 104 ,6 103 64/ 63 . o .0 52 .3 52 115 62/ 61 44 44 . 0 60/ 59 38 41 205 58/ 57 26 348 .0 26 4 • 0 15 56/ 55 15 435 54/ 53 473 •0 52/ 51 294 51 50/ 49 206 48/ 47 131 61 46 83 30 (OL A) 44/ 43 119 180 42/ 41 15 40/\_39 164 0.26.5 38/ 37 220 36/ 35 266 34/ 33 241 206 32/ 31 No. Obs. Mean No. of Hours with Temperature 267 F | 273 F | 280 F | 293 F Rel. Hum. 5 32 F Dry Bulb Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 MAY MONTH PAGE 2 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B. W.B. Dry Bulb Wet Bulb Dew Point 30/ 29 28/ 27 26/ 25 149 111 114 24/ 23 98 22/ 21 20/ 19 78 28 18/ 17 45 25 17 16/ 15 14/ 13 (. 12/ 11 7 9 3 10/ 8/ 5 ī 6/ THIS FORM ARE OBSOLETE 2360 TOTAL .6 1.2 2.3 3.8 9.1 3.8 19.2 7.3 14.2 9.5 4.3 2.6 2351 2351 2351 REVISED PREVIOUS ECHICANS OF 3 0.26-5 (OL 1728109 58587 No. Obs. Mean No. of Hours with Temperature Element (X) USAFETAC 2351 267 F 2/3 F 280 F 293 F 74.5 6.951 54.3 4.339 34.6 8.710 13218218 175858 2360 81.6 56.8 22.4 93 Dry Bulb 6966006 127566 2351 93 .0 Wet Sulb 2995110 93 Dew Point 81378 2351 .0

DATA PROCESSING BRANCH USAF ETAC A'IR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-60,62-65,68-74 JUN
STATION STATION NAME VEARS MONTH

PAGE 1 0000-0200

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-60,62-65,68-74 PAGE 2 0000-0200 HOURS (1. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 + 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 32/ 31 157 30/ 29 129 28/ 27 26/ 25 24/ 23 67 77 59 32 11 20/ 19 18/ 17 16/ 15 6 14/ 13 5 10/ 9 8/ 7 2 TOTAL .6 1.5 3.0 9.0 6.2 21.2 22.4 3.7 7.0 2.8 2017 .4 • 2 2017 2017 2017 a ₹ °, .;,311,134 Element (X) No. Obs. Mean No. of Hours with Temperature USAFETAC 1748378 54976 267 F 273 F 280 F 293 F 84.5 65.3 28.3 . Rel. Hum. 2017 30F ≤ 32F 11864881 90 154161 76.4 6.386 2017 Dry Bulb 56.6 5.354 6509275 114073 4.6 90 Wet Bulb 2017 Dew Point 3241644 78214 38.810.175 2017 25.2 90

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 1 23104 WILLIAMS AFB ARIZONA/CHANOLER 42-74 0300-0500 PAGE 1 HOURS (1. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point .0 96/ 95 94/ 93 92/ 91 .0 1 1 90/ 89 88/ 87 86/ 85 .0 • 0 .0 11 11 • 1 • 0 37 37 • C 73 73 84/ 83 •0 82/ 61 1.2 **.** 8 97 97 1.0 . 9 . 8 121 121 1.6 1.2 • 3 .0 78/ 77 . 8 145 145 76/ 75 74/ 73 1.7 203 2.3 203 2.0 • 5 .0 2.2 202 262 1.0 36 · 0 .9 1.8 72/ 71 3.8 4.4 296 296 • 2 • 3 • 3 70/ 69 68/ 67 3.8 .0 1.0 2.6 2.7 260 260 30 . 1 • 1 3.1 • 0 • O 232 232 4 1.2 2.8 2.9 189 189 69 66/ 65 13 64/ 63 62/ 61 1.6 144 16 • 0 .0 1.4 2.4 144 1.5 95 91 91 21 • 3 . 5 158 69/ 59 • 1 . 2 46 46 30 .0 • 4 58/ 57 199 • 0 • 0 26 26 29 <u>۲ م2</u> 567 35 6 41 • 1 .0 54/ 53 • O 305 44 52/ 51 367 62 264 61 50/ 49 48/ 47 92 206 46/ 45 84 115 45 117 44/ 43 42/ 41 8 a 148 40/ 39 150 õ 38/ 37 206 36/ 194 35 9.5 175 34/ 33 185 32/ 31 30/ 29 159 Σx² No. Obs. Mean No. of Hours with Temperature Element (X) X Rel. Hum. ≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Buth Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC STATION STATION PLUE 42-74 JUH MONTH 0300-0500 HOURS (L. S. T.) PACE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point Temp. (F) 28/ 27 26/ 25 86 101 24/ 23 67 22/ 21 44 32 18/ 17 16/ 15 14/ 13 26 12 12/ 11 O 10/ 8/ 6/ TUTAL 2252 . 8 . 8 .9 1.2 3.5 9.019.825.021.711.5 4.4 .6 • 1 2252 2252 2252 THIS FORM ARE ORSOLETE a (0 0.26.5 FORM NO DE Flan. t (X) Nc. Obs. Mean No. of Hours with Temperature 30.611.551 OSAFETAC 2409182 ?252 2252 267 F 273 F 280 F 293 F 69.7 38.2 11.6 . Rel. Hum. 68914 ± 0 F ≤ 32 F 90 71.6 6.495 11629915 161173 Dry Bulb 122101 54.2 5.783 37.710.418 6695461 2252 3.0 90 Wet Bulb

2252

29.0

90

3452945

Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** 23104 WILLIAMS AFB ARIZONA/CHANDLER STATION NAME MUNTH MOM 42-74

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78/ 77		+	,0	.0		• 1			• 4		2.5		1.8		<del>•</del> -	• '		268	268		
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Rel. Hum.				<u> </u>								± 0 l	F	≤ 32 F	≥ 67	F   ≥	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																					
Wet Bulb												_				i					
Dew Point								1										i			

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER NUL 42- \ STATION YEARS PAGE 2 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 138 30/ 29 98 28/ 27 26/ 25 24/ 23 22/ 21 83 48 34 20/ 19 12 18/ 17 13 16/ 15 14/ 13 ī 12/ 11 10/ ī 8/ 61 5 ī 2721 TOTAL <u>.9</u> 2.1 5.1 9.414.618.617.714.9 8.1 4.1 1.9 2721 • 0 THIS FORM ARE OBSOLETE 2721 2721 EDITIONS OF REVISED MEVICUS 0.26.5 (CLA) 7.910.906 77.3 7.413 57.3 5.636 75951 Element (X) Σχż No. Obs. Mean No. of Hours with Temperature 2443509 272<u>1</u> 272<u>1</u> 267 F 273 F 82.7 66.2 ± 0 F ≥80 F ≥ 93 F ≤ 32 F 210415 155846 82.7 16420873 90 37.0 1.0 Dry Bulb 9012532 2721 90 5.6 Wet Bulb 19.6 Dew Point 4650753 109195 40.1 9.939 2721 .6 90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

22104 SILLIAMS A

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

JUN

PAGE 1

0900-1100 HOURS (L. S. T.)

Temp.				,							SSION (		<del></del>					TOTAL		TOTAL	
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96/ 97											•0	,	• 0	. 3	7	1.0		194	194		
96/ 95					ļ		<del> </del>	<del> </del>	<del>!</del>		•0	<u>• l</u>	• 3	. 8	1.5	2.0	5.0	283	283		
94/ 93		!	l	ĺ					1	١,		• l	•6		1.4	2.5	4.2	293	293 343		
92/ 91		<del>i</del>		<u> </u>	<del> </del>		<del> </del>	<del></del>	<del> </del>	• 1	• 1	.5		1.8	2.0	3.3	3.1	343			
90/ 89				Í			1	١.,	• 1	• 2	• 5	• 7	. 9	1.7	3.2	3.5	1.8	301 283	361 283		
88/ 87				<b>├</b>		<u> </u>	<del>                                     </del>	• 1		.3	.5	• 5	1.0	1.4	3.2	2.0	• 7	267	$-\frac{263}{267}$		
		!		1			• 1	• 1	• 2			.3	1.6		2.3	1.1	.3	177	177		
84/ 83 82/ 81		<del> </del>			<del> </del> -	<del></del>	-0			- 1	• 2	.7	1.4		1.3	•2	•2	155	155		
82/ 81 80/ 79				-		•0		• 1	• 1	.1	• 4 • 5	1.0	1.9	1.2	. 7	• 1		108	108	1	
78/ 77		<del> </del>		•0	}	•1		• 1		<del></del>								73	$-\frac{1170}{73}$	2	
76/ 75		}		• • •	ì	.1	1	.0		.3	• 4	• 9	• 6	•0	• 1.			47	47		
74/ 73			<del> </del>	<del> </del>	<del> </del> -	.0		• 0			• 2	• 3		• 0				25	25	20	
72/ 71		Ì	}			.0			} ••	.1	.0	•1		1	1		}	11	11	84	
70/ 69		<del> </del>		• 0	.0		• •		•1	1	••	• 1						7	<del></del>	168	
68/ 67		1	.0	1	1			1						l	1			3	3		
66/ 65			• •	<u></u>	<del> </del>	<b></b> -	<del> </del>		.0	<del> </del>							<del> </del>	1	$-\frac{1}{1}$		
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52/ 51							İ		l						ļ					20	į
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44/ 43	_				1		i														2
Element (X)		Σχ²			Zχ		X	· ,		No. Ol	5.				Mean h	lo. of H	ours with	Temperal	ur <del>e</del>		
Rel. Hum.												± 0	F :	32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																					
Vet Bulb				т <b>—</b>																	
Dew Point								1											i		

FORM 0.26-5 (OL A) REVISED MENOUS EDITIONS OF THIS FORM

SAFETAC FORM 0.26

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER JUN 42-74 YEARS STATION STATION NAME MONTH 0900-1100 PAGE 2 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Buib Wet Buib Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 42/ 41 245 40/ 39 313 38/ 37 36/ 35 255 201 34/ 33 203 32/ 31 154 30/ 29 28/ 27 121 67 26/ 25 70 24/ 23 22/ 21 27 16 20/ 19 4 18/ 17 7 16/ 15 2 12/ 11 1 8/ TOTAL 2884 .0 .7 1.2 2.4 3.8 6.310.613.616.816.627.2 2884 • 0 . 3 ž 2884 2884 REVISED ã 9 0.26.5 No. Obs. Mean No. of Hours with Temperature Element (..) 267 F 273 F 280 F 293 F 90.0 39.3 83.4 31.9 1362525 2884 Rel. Hum. ≤ 0 F ≤ 32 F 90 23363286 258852 89.8 6.719 2884 Dry Bulb 90 11255513 179697 62.3 4.520 2884 17.0 •0 Wet Bulb •9

SAFETAC

Dew Point

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€€ USAFETAC DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 1200-1400
HOURS (L. S. T.)

Yemp.						WET	BULB 1	EMPER	ATUR	EDEPRE	ESSION (	E)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5-6	7 . 8					17 - 18			23 . 24	25 - 26	27 - 28	29 - 30	≥ 31		Dev Bulb		Dew Point
118/117		· · ·	3.7	3.0	7.50	7.10	1, 12	13 - 14	13 - 10	11/ = 10	17-20	21.5.4	20 1 22	13 - 10	2, - 20	27 - 30	.0	<del></del>	1		
116/115		1								i	Ì	1	Ì	ì		j	.0	,	ī		
114/113		<del>  -</del>	— <del>-</del> -								<del> </del>				<del> </del>	<b></b> -	•0	<del></del>	ī	<del> </del>	
112/111		1								1	1	1	!	1	1		.4		12	1	
110/109		<del> </del>	<u> </u>	<u> </u>						+	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>                                     </del>	<del>                                     </del>	1.9		54	<del> </del>	
108/107		i								1	1	Ì		1	ļ	1	3.0	1	86	İ	
106/105		<del>                                     </del>	<del>                                     </del>				<del>-</del>			<del>+</del>	<del> </del>		<del> </del> -	<del> </del>	<del> </del> -	<del> </del>	5.5		157	<del> </del>	
104/103			!				i			ļ	.	٠.,	0	.0	.0	.1	7.3		218		
102/101		<del> </del>	<del> </del>	-						+	┼──		•0		.2		10.4		323		
100/ 99			•			•					i		.1	. 2	ſ				330		
98/ 97		<del></del>		<del>                                     </del>						+	<del>                                     </del>	.0		144	7.6	1.9			342		
96/ 95											•1	.1	.3			1.3			309		
94/ 93		<b>†</b>	<del> </del>	<del>                                     </del>						<del> </del>	• 2				.9				274		
92/ 91										.1				:					224		
90/ 89		1	<del></del>							1 . 3	• 2	• 2		• 5	1.1	1.5	1.4		168		
88/ 87				1 1	ĺ											.8	.6	1	127		
86/ 85		<b> </b>					•0		•		•0		. 5		1.2		•1		97		
84/ 63				i i				.1	. (	1			. 5					75	75	1	
82/ 81		<del> </del>					•0								-1			38	38		
80/ 79		1	1	1				.0		1		• ).						21	21	2	
78/ 77			<del></del>					•0		<del></del>	•0							7	7	2 3	
76/ 75			1						. (	וני	1	1	İ	1	İ		}	3	3	10	
74/ 73		T					• 0	• 0		ī	•1			<del>                                     </del>			1	4	4	59	
72/ 71		1				•0	• 0			Ī	.0	1		1	1	Ì	1	3	3	137	1
70/ 69				• 1						<b>T</b>			i —	<del></del>		<u> </u>		2	2	284	1
68/ 67		1	i	i		• 0				1	ł		1				1	1	1	393	7
66/ 65																				457	13
64/ 63		1											j	_	_					535	25
62/ 61		1	1	.0								<u> </u>			Γ	1		1	1	463	26
60/ 59		L									İ			1						306	34
58/ 57		1										<u> </u>	Γ	i		i				149	39
56/ 55								İ		_i		!	[							66	81
54/ 53											Ī		I			Ī				14	
52/ 51		1							•		ļ	L	İ	!	l	i		L		1	123
Element (X)		Σχ²			Σχ		X	· x		No. O	bs.				Mean	No. of H	ours wit	h Tempera	ture		
Rel. Hum.												. ≤ 0	F	≤ 32 F	≥ 67	F	73 F	> 80 F	≥ 93	F	Total
Dry Buib									$\neg$									Ι .	$\top$		
Wet Bulb																		<u> </u>			
Dew Point	•			Γ				$\overline{}$							T				-,		

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION STATION NAME

Temp. WET BULD TEMPERATURE DEPRESSIO
(F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19
50/ 49

## **PSYCHROMETRIC SUMMARY**

42-74 JUN YEARS MONTH

PAGE 2 1200-1400 HOURS (L. S. T.)

Temp.							BUL3											TOTAL			
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31	D.B./W.B.	Dry Buib	Wet Bulb	Dew Point
50/ 49							İ							,							133
48/ 47				 					} 			Ì	ŀ								152
46/ 45		<u> </u>	l		Ī		<del> </del>			1				1			1				161
44/ 43		-	İ		ĺ								ļ								225
42/ 41										<del>                                     </del>				i		<u> </u>	<del></del>				255
40/ 39						\$ 		Ì		1						}	1			,	279
38/ 37		1	†				1		<del> </del>	<del> </del>	<del>                                     </del>			1			<del> </del>	ļ		1	239
36/ 33			!							l						İ					220
34/ 33		<del> </del>	<del> </del> -	<del>                                     </del>			<del> </del> -				<del> </del>	<u> </u>	<del> </del>	<del> </del>			<del>                                     </del>	<del>                                     </del>		<del> </del>	205
32/ 31												İ									191
30/ 29		+	<del> </del>	<del></del>	·		<del> </del>	ļ		<del> </del> -		<del></del>	<del> </del>	<del> </del>		<del>                                     </del>	<del> </del>	<del> </del>		<del> </del>	136
28/ 27										-							1				60
26/ 25		+		<del></del>				<del>                                     </del>	-	<del>                                     </del>	<del> </del>	<del> </del>		-			+				61
24/ 23							1			ŀ			<u>[</u>	-							43
22/ 21		<del> </del>	<del></del>		-		<del> </del>		<del> </del>		<del> </del>		<del> </del>				<del> </del>	<del> </del>		<del> </del>	14
20/ 19										1	1										11
18/ 17			<u></u>	-	<del> </del> -		<del> </del>	<del> </del> -	<u></u>	<del> </del>	<del> </del>	<del> </del>	i				<del>-i</del> -	<del> </del>		<del> </del>	13
16/ 15		İ	İ																	r I	7
14/ 13		<del> </del> -			<del></del>		<del> </del>	<del> </del>		<del></del>	├			<del> </del>			<del></del>			<del> </del>	2
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10/ 9			+		<del></del>		<del> </del>	ļ-—-	ļ	<del> </del> -	<del> </del>		<b> </b> -	<del> </del>	<del> </del> -		<b></b>	ļ. ——		<del></del>	3
		1																			1
8/ 7		<del> </del>	<b>├</b> -	<del></del>	<del> </del>		<del></del>		ļ	<del> </del>		<del> </del>	<del> </del>	<del> </del>			<b>⊹</b>			<del> </del>	2
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TOTAL		<del> </del>	<del> </del>	<del></del>	<del> </del>	ļ.,	-		<u> </u>	<del> </del>	1 3	1 0	2 0		9 0	12 5	25 0	<del> </del>	2879	├─	2879
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		<del></del>	L		Ļ	<u> </u>	<u> </u>		L	<u> </u>	<u> </u>	<u> </u>			L		1	<u> </u>		<u> </u>	
Element (X)		Σχ²	10067		Z <sub>X</sub>	00	X	<b>"</b> 2 7		No. 0								h Temperat			
Rel. Hum.		3700	0067	<del> </del> -	456	77	15,1				79	≤ 0	F	≤ 32 F	≥ 67		≥ 73 F	≥ 80 F	> 93		Total
Dry Bulb	··		8649		2776			6.8			79				90		89.8			• 7	90
Wet Bulb			3726		1851			1.1		28	79		_		27		2.3	<u> </u>	0		90
Dew Point		502	2100	í	1172	2	40.7	1.4	A 11	28	79		1	17.1	ı	.3		1	1	i	90

A) REVISED MEYICUS EDITIONS OF THIS FORM ARE OBSOLETE

TAC FORM (1.26-5 (OLA) REVISED

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

USAFETAC

#### **PSYCHROMETRIC SUMMARY**

23134 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp.						WET	BULB T	EMPER	ATURE	DEPRI	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
116/115						i				1	T			I	-		• 1	3	3		
114/113		! !					1		L	<u></u>	Ĺ	<u> </u>	!	į	į		.3	9	9	[	[
112/111		į									}	}		}			1.5	42	42		
110/109											1		į				4.2	119	119		[
108/107		ĭ .													•0		5.8	163	163		
106/105		1					. !			1		ļ		-		• 1	8.6	245	245		
104/163		Ī									Ī				•0	.3	11.3	326	326		
102/101		Ĺ								1		]	!	.1	1	.6	12.0	355	355	(	ĺ
100/ 99										1			•0	•1	• 2		10.4	334	334		
98/ 97	_	1			į	1	. }			1		.1	.1	.2		1.0	9.2	311	311	1	i
96/ 95			1								1	1	• 3	• 2	.4	• 9			247		
94/ 93;			Į.		[	-					.1	.3	. 2			•9		198	198		
927 91		1								.0	• 0							139	139		
90/ 89		1		Î	į		1	• 0	(	) .1	. 1	. 1	į	.3	.5	1.7	1.0	108	108	1	į.
88/ 87		1							• ]			• 1	• 1	.5	.9	.7	.4	74	74		
85/ 85			; ;						ĺ			.2			.6			63	63	!	
84/ 53		1						• 0			• 1		• 1	•1	.2	• 1		25	25	<u></u>	
82/ 81		1				,	• 0		1	. 1	1	.)		.0			]	10	10		1
80/ 79		!				.0		•0		. 1	. 0	• 0	• 2	.2				20	20	1	
78/ 77				.0	. 1	• 0			į		i		ĺ	1			ì	4	4	4	l
76/ 75			• 0		.0				• (	)	1			1				3	3		
74/ 73		i			1				•		!		1	1			į	2	2	55	
72/ 71				. 0	1					1			<del></del>				1	1	1	150	2
70/ 69		1										į .		l	1 1		l			326	
68/ 67			•0											1				1	1	422	5
66/ 65			<u> </u>							)	1	1		1	) !		1	1	1	500	
64/ 63												1								514	
62/61		<u> </u>	·						Ĺ		1	<u> </u>			{		[			417	27
60/ 59			•						[	1		T -	1	-						247	22
58/ 57		<u> </u>	<u> </u>	i					İ	1	Ĺ	1	! •	•	[ [			{		104	32
56/ 55														1						35	
54/ 53									L					<u>i</u>						9	,
52/ 51												1									108
50/ 49		<u> </u>	Ĺ							ļ	ĺ	<u>.</u>	į	1				ļ		1	137
Element (X)	)						χ	<b>"</b> x		No. O	bs.				Mean I	No. of H	ours will	: Tempera	ture		
Rel. Hum.												<b>±</b> 0	F	≤ 32 F	z 67	F :	73 F	≥ 80 F	z 93	F	Total
Dry Bulb																					
Wer Bulb																					
Dew Point																					

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUN YEARS MONTH 1500-1700 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 48/ 47 119 46/ 45 162 247 44/ 43 42/ 41 232 40/ 39 267 38/ 37 214 237 36/ 35 34/ 33 32/ 31 220 163 30/ 29 28/ 27 26/ 25 127 76 78 24/ 23 54 22/ 21 32 20/ 19 21 18/ 17 16/ 15 8 5 12/ 11 3 Ę 10/ G 4 8/ 6 61 2.7 TOTAL .4 1.1 1.5 2.7 4.4 9.179.6 2603 2803 2803 2803 ৰ õ € 0.26.5 39648 39648 Element (X) No. Obs. Mean No. of Hours with Temperature OSAFETAC 14.1 7.007 698394 2803 Rel. Hum. ±0 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F ≤ 32 F 99.0 6.702 64.9 4.049 39.7 9.684 27607744 277546 90.0 89.9 89.3 90 2803 75.5 Dry Bulb 11853932 181928 31.3 Wet Bulb 2803 2.5 •0 90] 4687391 111365 2803 19.0 .3 Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/HAC 23104 42-74 WILLIAMS AFB ARIZONA/CHANDLER JUN VEARS 1800-2000 PAGE 1 HOURS (L. S. T.) WET BULB TEMPFRATURE DEPRESSION (F) TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | • 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 112/111 4 4 110/109 15 15 40 108/107 1.5 106/105 3.3 85 85 5.6 150 150 104/103 6.6 195 182 102/101 .3 100/ 99 . 3 7.3 7.0 221 221 • 8 • 1 . 7 1.9 98/ 97 261 251 96/ 95 .0 1.9 6.9 277 277 .4 1.2 1.5 94/ 93 2.2 252 252 .5 .7 4.6 . 2 . 3 1.7 92/ 91 • 0 • 2 1.2 2.2 3.4 244 244 90/ 89 88/ 87 .7 2.8 236 2.3 236 • 1 .2 1.0 1.6 2.2 1.3 178 178 1.8 86/ 85 .8 1.7 148 148 .2 .6 . 1 . 4 . 1 104 104 84/ 83 •0 . 5 1.1 1.0 . 8 82/ 81 .0 .0 . 8 .4 80 80 . 1 .6 79 62 80/ •0 62 • 0 • 0 .6 • 1 78/ 77 .0 75 17 17 76/ • 0 • 0 • l . 0 EDITIONS OF THIS 74/ 73 6 72/ 71 .0 89 1 203 4 3 70/ 69 .0 4 68/ 67 319 8 ī 407 8 66/ 65 64/ 63 481 14 431 27 341 60/ 59 181 36 58/ 57 ₹ 78 56/ 55 46 9 54/ 53 26 67 0.26.5 52/ 51 132 8 156 50/ 49 155 48/ 47 FO.EM 46/ 45 178 Element (X) ¥ No. Obs. Mean No. of Hours with Temperature ≥67 F ≥ 73 i ≥ 80 F < 93 F Rel. Hum. 10F ≤ 32 F Dry Bulb Wer Bulb £ §

The state of the s

Dew Point

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUV 1800-2000 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.3./W.E. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 44/ 43 220 254 258 42/ 41 40/ 39 38/ 37 207 36/ 35 202 34/ 33 32/ 31 183 137 30/ 29 88 28/ 27 26/ 25 24/ 23 51 30 22/ 21 13 20/ 19 18/ 17 6 16/ 15 14/ 13 12/ 11 10/ 3/ TOTAL .8 1.5 3.7 6.3 9.813.114.448.5 2594 €. 2594 2594 3 õ 0.26.5 FO.E.W. X \* 17.7 8.289 Element (X) No. Obs. 992770 45968 Rel. Hum. 2594 10F 267 F 273 F 280 F 293 F 93,6 7.291 63.5 4.154 22864810 242804 2594 89.9 89.7 87.3 51.6 90 Dry Buib 10517878 2594 90 164820 22.2 Wet Bulb 41.3 9.024 4638595 107167 2594 90 Dew Point 13.6 The second secon

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104

WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME

42-74

HTAGN

PAGE 1

2100-2300 HOURS (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
104/103																	•0	1	1		_
102/101										ļ		_					. 2	5	5		
100/ 99																	•5	11	11		
98/ 97					!		İ			ļ					• 1	. 2	.7	23	23		
96/ 95											.0		.0	• 3	.7	. 8	1.3	73	73		
94/ 93										• 0	• 0	• 1	• 3	.5	8	1.3	• 8	93	93		
92/ 91					i					• 1	• 0	. 3	• 3	1.1	1.4	1.2	. 8	127	127		
90/ 89										. 2	. 3	.7	1.1	1.3	1.9	1.5	.4	174	174		
88/ 87									.0	• 3	. 5	• 8	1.2	2.1	2.1	1.4	• 3	210	210		
86/ 85		ļ			1	ļ	Ì		, 3	.6	. 7	1.7	2,4	2.9	2.2	• 4	.1	269	269		
84/ 83		1					• 1	.1	• 0	.3	1.4	2.1	2.9	2.6	1.9	.3	• 1	281	281		
82/ 81						.1	.1	)	.2	. 4	1.2	2.6	3.8	2.4	1.1	•0	•0	284	284		
80/ 79					. 1	<del></del>		j	• 2	.7	2.0	2.7	3.1	2.0	. 3			264	2.64		
78/ 77		.0		.1		. 1			• 3	. 8		2.7	2.1	.7	. 1			206	206	1	
76/ 75			-1			•0		.3	• 3	. 8	1.5	2.1	1.1	•1	•0			154	154	2	1
74/ 73					.1	.1		.1	.4	. 3	1.2		• 5					91	91	6	
72/ 71						1		. 1	. 3	. 5	.9	• 3	• 1					53	53	31	2
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46/ 45				1		L														2	188
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40/ 39															1						211
38/ 37				<u> </u>	l	<u> </u>	<u> </u>	<u> </u>			L			<u> </u>	<u> </u>			L	<u> </u>		186
Element (X)		Σχ²			Σχ		X	₹ X		No. Ob	S				Mean N	o. of H	ours wit	h Tempera	ture		
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Wet Bulb								1							1	$\neg \neg$		1			
Dew Point				t				1							<del> </del> -			1			

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZGNA/CHANDLER
STATION NAME 2100-2300 HOURS (L. S. T.) PAGE 2 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 36/ 35 34/ 33 188 183 32/ 31 136 30/ 29 106 28/ 27 26/ 25 48 62 24/ 23 40 20 20/ 19 6 7 18/ 17 16/ 15 3 14/ 13 3 10/ 1 9 7 8/ 6/ 5 TOTAL <u>.8</u> 2.2 5.5 11.8 17.4 19.0 16.1 12.5 7.1 5.3 2376 2376 2376 2376 ( C (OL A) C 0.26-5 (0 70g4 Jr. 64 X \*x 23.7 9.968 No. Obs. Element (X) Mean No. of Hours with Temporature USAFETAC 1568189 56261 Rel. Hum. 2376 ≥67 F ≥ 7? F = 80 F = 93 F 16564839 197789 83.2 6.488 2376 89.6 85.8 64.9 90 Dry Bulb 8536281 141967 59.8 4.755 2376 8.1 90 Wet Bulb • 3 Dew Point 96892 40.8 9.476 2376 90 4164482 16.5 . 8 •0

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME 42-65,68-72,74 ( 0000-0200 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. SAFETAC

Lamb.				,						DEFRE								IUIAL		TOTAL	· · · · · · · · · · · · · · · · · · ·
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96/ 95								[			•0			• 2	.1	. 1		10	10		
94/ 93	]	]	;					i			l	. 3	. 6	.8	.4	•0 •4	• 1	50	51		İ
92/ 91	Ĭ									. 2	.7		1.2	.6	• 3	.4	•0	100	100		
90/ 89			J					j	. 5	2.1		2.3	1.0	.7	• 5	ļ		200	200		
88/ 87						•0	• 1	• 2.			3.5	2.6	1.0		• 0,			292	292		
86/ 85	İ					• 1			3.2	4.0	2.0	2.4		.8	.0	Ì		356	358		
84/ 83					• 1		1.5	3.4	2.4		1.6	1.7	1.5	•3	•0			311	311		
82/81					. 5	2.3	2,5	2.1			1.6	1.3	1.0	.2	. 1			296	296		<u> </u>
80/ 79			• 0		2.0	1.8	1.0						• 4	• 1		1		194	194		
78/ 77			8	1.9	1.8	. 3				.3	. 8	.4	• 3	.0				144	144	2	
76/ 75		. 3	1.0	. 5	• 4		•0		•0			• 5	• 1					75	75	14	
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44/ 43		j	)	]										] ]	]	ļ		j	j		56
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30/ 29									L,					<u> </u>							9
Element (X)		Σχί			z <sub>X</sub>		X	<b>"</b> x		No. Ob	<u>s.</u>							Temperat			
Rel. Hum.						_		<u> </u>				≤ 0 1	F L	≤ 32 F	≥ 67 l	- 2	73 F	2 80 F	≥ 93 1		Total
Dry Bulb						- 1		l					l			_1					
Wet Bulb Dew Point																					

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-65,68-72,74 JUL YEARS STATION NAME PAGE 2 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATION DEPRESSION (F) TOTAL Temp. (F) 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | . . . 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 23 | 29 - 30 | 23 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 28/ 27 26/ 25 24/ 23 Ē 1.2 2.5 3.4 4.8 5.4 5.8 8.4 9.8 4.2 14.2 14.5 14.2 8.9 4.6 1.5 TGTAL 2078 2075 2075 2075 £ EDITIONS OF ₹ ತ 0.26.5 FORM JUL 64 Element (X) No. Qbs. Mean No. of Hours with Temperature OSAFETAC 43.316.963 4478762 89750 2075 ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. ±0 F ≤ 32 F 93 174752 92.1 84.1 4.675 Dry Bulb 14741386 2078 93.0 9450616 67.3 4.658 57.4 9.564 61.2 139702 2075 7.7 93 Wet Bulb 2075 7022193 119069 93 1.0 15.5 Dew Point 

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

A STATE OF THE PROPERTY OF THE PARTY OF THE

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp.	WET BULB TEMPERATURE DEPRESSION (																TOTAL TOTAL				
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20					29 - 30					Dew Point
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92/ 91											0		•0			•0	•0		13		
90/ 89						·	ļ	-	_	• 1	•6		• 4	• 3				39	39	į '	
88/ 87						i		•0	• 7				• 4		• 0			111	111		
86/ 85					_		• 3	1.5	3.2	2.7	2.4		- 7	• 3				231	282	!	
84/ 83					•0		1.7	3.8	3.7				•6					350	351		
82/ 81				.0		1.9	3.2	4.4	2.6		1.6		• 4		ĺ			400	401		
80/ 79			• 1	. 9		2.8	3.6	2.0	2.1	1.4	1.2	. 7	3					401	402		
78/ 77			. 7		1.9	1.6	• 5	• 9	1.0		9		• 1	.0				265	265		1
76/ 75		.2	1.6		• 9	. 7	• 3	. 3	_ •9				.2					228	229		
74/ 73		. 5			• 1		• 1	• 1	. 3		• 7	• 3	• 0		1			101	101	93	
72/ 71	- 1					•0			.3									69	69		
70/ 69		• 1	•0		.0		• 0	. 2	.3		• 2							29	29		154 178
68/ 67						• 0	• 0	.0	2			<u> </u>						11	11	405	198
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64/ 63																		ļ		191	247
62/ 61		ĺ																		144	
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56/ 55 54/ 53		<del> </del>				<b>├</b> ── ╂				ļ		<del></del>								44	107
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Element (X)		Σχ²	<u> </u>	-	Σχ	<del>''</del>	X	•,		No. Ob	s. 1	<u> </u>		لـــــا	Magn N	lo. of H	L	h Tempera	tute	<u></u>	
Rel. Hum.		^_		<del> </del>		-+-			$\dashv$			± 0 1		32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb				<del> </del>									-+-	- 32 1		<u>-   -                                 </u>					
Wet Bulb									~- -				$\dashv$		<del></del>			<del> </del> -		<del> </del> -	<del></del>
Dew Point						<del></del>							$\dashv$					<del> </del>			
Den 1 01/11															L				سيبيطيم		

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 42-74 WILLIAMS AFB ARIZUNA/CHANDLER 0300-0500 HOURS (L. S. T.) #ET BIJLB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) 26/ 25 24/ 23 22/ 21 2 1 1.5 3.7 5.7 5.0 7.4 9.913.315.214.612.2 6.3 3.2 1.1 2303 TOTAL 2308 .0 •1 2303 2303 ZX Σχ² Element (X) No. Obs. Mean No. of Hours with Temperature 110955 6012693 2303 ≥ 67 F ≥ 73 F ≥ 80 F 93 15016341 185883 80.5 4.445 2308 93.0 88.6 57.6 Dry Bulb 66.3 5.211 57.6 9.809 2303 2303 55.5 16.5 93 10174651 152605 Wet Bulb 4.2 132582 Dew Point 7854126 •5 93 

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SAFETAC

DATA PROCESSING BRANCH 2 USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 7 WILLIAMS AFB ARIZUNA/CHANDLER 42-74 €. PAGE 1 0500-0800 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 100/ 99 1 98/ 97 96/ 95 •0 18 18 94/ 93 •0 62 52 .4 1.7 92/ 91 130 130 1.1 1.3 • 0 2.2 90/89 •0 211 212 . 8 .6 2.8 86/ 87 2.0 304 304 •0 86/ 85 44<u>6</u> 446 • 6 .8 1.7 3.2 84/ 83 401 401 2.9 390 391 82/ 81 80/ 79 78/ 77 1.9 329 329 .6 •0 225 225 .9 . 9 76/ 75 • 0 140 140 32 . 1 69 228 69 15 74/ 73 • 0 509 72/ .1 . 1 35 35 80 71 14 14 677 189 70/ 69 68/ 67 • 0 • 0 -2 451 189 268 258 .0 66/ 65 195 319 64/ 63 143 62/ 61 346 279 60/ 59 90 58/ 57 85 181 56/ 55 170 54/ 57 30 139 52/ 51 16 110 4 93 50/ 49 74 487 47 45/ 45 59 57 44/ 43 51 42/ 41 56 40/ 39 38/ 37 44 36/ 35 22 30 34/ 33 No. Obs. Σχ2 Element (X) Mean No. of Hours with Temperature \* 93 F Dry Bulb Wet Bulb

USAFETAC

Dew Point

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME 42-74 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 3 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 32/ 31 30/ 29 15 7 2 28/ 27 26/ 25 22/ 21 20/ 19 2785 .7 2.5 4.0 4.8 6.0 9.012.613.214.012.2 8.1 6.6 4.1 1.6 2786 TUTAL 2784 2784 C ₹ õ C 0.26.5 C 20 E No. Obs. Mean No. of Hours with Temperature Element (X) O SAFETAC 45.416.226 83.3 5.083 67.5 4.783 58.3 9.246 6479890 126492 Rel. Hum. 2784 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 2.8 93 19399084 232043 2786 92.9 91.2 Dry Bulb 187874 162400 93 12742056 2784 63.5 8.8 Wet Bulb 93 9707952 2785 15.8 •5 Dew Point

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SEPVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 STATION STATION NAME MONTH 0900-1100 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B./W.B. Dry Bulb Wet Bilb Dew Point 108/107 4 106/105 14 39 104/103 .2 1.1 39 •0 102/101 114 2.0 199 199 1.8 1.7 100/ 99 • 4 1 • 1 1 • 7 98/ 97 318 319 . 5 2.1 2.1 2.6 1.5 1.8 96/ 95 452 .6 2.4 4.1 2.5 3.7 2.9 452 2.8 2.6 1.1 1.7 94/ 93 1.9 1.1 1.1 1.1 432 433 421 92/ 91 421 .5 2.0 3.8 3.3 1.6 • 8 • 9 .6 1.6 90/ 89 . 3 3.7 3.2 . 4 356 356 1.1 .4 .6 . 6 83/ 87 236 236 .2 1.5 1.2 1.3 1.5 2.4 1.8 • 1 86/ 85 1.1 . 2 .2 142 142 • 1 96 .3 • 3 84/ 83 • 9 .8 •0 • 0 • 0 96 82/ 81 80/ 79 . 1 49 49 • 2 • 0 34 • 2 34 78/ 77 15 16 16 76/ 75 11 11 176 74/ 73 6 597 10 6 815 37 72/ 71 70/ 69 592 134 298 182 68/ 67 66/ 65 64/ 63 160 274 367 141 62/ 61 90 378 60/ 59 41 323 58/ 57 249 13 56/ 55 181 54/ 53 153 120 52/ 51 50/ 49 83 48/ 47 83 46/ 45 75 54 44/ 43 42/ 41 54 ZX Element (X) Σχ'n No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F 373 F 280 F 293 F Total Dry Bulb

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**S** N

Wet Bulb

Dew Point

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 40/ 39 38/ 37 55 55 36/ 35 33 19 34/ 33 32/ 31 9 30/ 29 28/ 27 3 26/ 25 24/ 23 .7 1.2 2.0 2.7 4.3 6.1 8.411.311.512.0 9.810.8 8.010.7 TOTAL 2940 2940 2940 DISOUETE €, ( C ತ 10 th Element (X) No. Obs. Mean No of Hours with Temperature 3915962 99632 33.913.550 2940 ≥67 F ≈ 73 F ≈ 80 F ≈ 93 F Rel. Hum. 2 0 F 25347321 92.7 5.348 70.1 3.658 93.0 91.6 93 272625 2942 SAFET. 93.0 Dry Bulb 206226 2940 78.9 25.0 93 14505020 Wet Bulb 2940 93 10084981 170269 57.9 8.729 11.5 .6 Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/HAC WILLIAMS AFB ARIZUNA/CHANDLER JUL 42-74 STATION NAME MONTH PAGE 1 1200-1400 ( HOURS (L. S. 7.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 116/115 11 •0 114/113 .0 112/111 • 4 12: 12 110/109 1.3 37 37 108/107 3,3 97 97 .0 106/105 242 242 1.2 6.8 104/103 1.1 2.2 8.1 346 346 • 3 .2 1.0 2.7 3.6 6.0 399 401 102/101 . C 100/ 99 . 2 1.6 4.1 3.6 2.8 4.1 481 482 . 1 98/ 97 3.3 418 2.7 1.2 2.2 1.1 3.5 418 .7 .5 1.0 96/ 95 3.0 3.1 1.9 323 323 • 7 ( ) 94/ 93 2.2 235 235 2.1 1.7 .4 • 5 1.3 92/ 91 . 1 .1 149 149 •0 1.6 • 9 •0 • 1 90/ 89 1.0 . 3 1.0 90 90 .0 • 0 .5 . 5 . 4 88/ 87 42 42 . 3 • 1 •0 86/ 85 19 19 34/ 83 . O .3 . 1 16 16 .0 82/ 81 9 8 8 12 80/ 79 • 1 8 8 78/ 77 54 • C 347 767 •0 74/ 73 786 775 72/ 71 70/ 69 455 68/ 67 225 66/ 65 158 C 87 64/ 63 62/ 61 33 ৰ 60/ g 58/ 57 4 55 56/ 54/ 53 52/ 51 FORM JUL 64 50/ 49 Element (X) ΣXż Žχ No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F 267 F 273 F 280 F 293 F Total 10F

2 30 63 133 210 342 333 355 326 227 174 146 107 Dry Bulb Wet Bulb Dew Point 

USAFETAC

DATA PROCESSING BRANCH PSYCHROMETRIC SUMMARY USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUMA/CHANDLER 42-74 JUL 1200-1400 HOUPS (L. S. -.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 2 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B. M.B. Dry Bulb | Wer Bulb | Dew Point (F) 48/ 47 119 46/ 45 86 79 44/ 43 42/ 41 03 06 38/ 37 41 36/ 35 34/ 33 32/ 31 30 18 30/ 29 26/ 25 22/ 21 TOTAL 2944 .4 1.1 2.2 3.3 5.4 7.5 10.2 11.4 11.4 11.9 33.6 2944 2944 C€ C 0 র õ € 0.26.5 £ 79787 Mean No. of Hours with Temperature Element (X) SAFETAC 2543299 27.111.368 2943 Rel. Hum. 267 F 273 F 280 F 293 F 2 32 F 28787759 98,7 5.504 2947 93.0 92.3 81.9 93 93.0 290817 Dry Bulb 71.3 3.328 56.8 8.335 Wet Bulb 15019062 210048 2944 93.9 37.9 93 2944 7.5 93 9714285 167323

DATA PROCESSIN SRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME 42-74 € ş USAFETAC

## **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME 42-74 JUL 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 | 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 48/ 47 46/ 45 116 301 44/ 43 86 42/ 41 78 40/ 39 38/ 37 67 31 36/ 35 26 34/ 33 32/ 31 30/ 29 13 28/ 27 .5 1.1 1.1 1.9 2.5 3.7 5.2 9.1 12.1 12.2 49.0 2844 TUTAL 2846 2843 2844 No. Obs. Element (X) Mean No. of Hours with Temperature 68840 24.211.179 288097 101.2 5.840 203446 71.5 3.124 2022048 2843 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ± 0 F ≤ 32 F 29260743 Dry Bulb 2846 93.0 93.0 92.1 40.7 14581149 2844 93 86.1 .0 Wet Bulb 158318 Dew Point 9002134 2844 5.2 93

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION NAME

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PAGE 1

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1800-2000 HOURS (L. S. T.)

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC JUL WILLIAMS AFB ARIZUNA/CHANDLER 42-74 MONTH PAGE 2 1 1800-2000 HOURS (L. S. T.) | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dow Point (F) 46/ 45 44/ 43 80 66 42/ 41 50 45 40/ 39 38/ 37 36/ 35 23 18 34/ 33 32/ 31 TOTAL 2662 2659 .6 1.1 1.5 1.5 1.8 2.4 3.3 5.6 6.8 9.611.913.112.427.8 2659 2659 ( £ ã ತ C-26-5 76430 No. Obs. Mean No. of Hours with Temperature Element (X) SAFETAC 2654942 267 F 273 F 280 F 293 F 93.0 93.0 91.3 72.9 28.713.127 2659 Rel. Hum. Total 96.8 6.384 70.6 3.062 56.6 7.592 93 Dry Bulb 25030997 257573 2662 13282797 2659 187757 93 83.6 26.8 Wet Bulb 8656723 2659 93 150369 7.1 • 3

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SER"ICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUL STATION STATION NAME MONTH PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 106/105 •0 104/103 102/101 .1 • 3 11 11 100/ 99 40 40 91 98/ 97 91 . 8 1.0 1.2 . 5 96/ 95 2.1 2.8 .6 220 221 94/ 93 3.0 2.6 1.1 270 270 1.0 2.5 . 2 • 7 92/ 91 .9 3.3 4.1 370 370 3.2 • 0 2.9 4.0 3.0 2.1 • 2 90/ 89 . 7 3.0 2.5 385 386 88/ 87 .7 2.3 1.7 326 327 2.1 . 7 86/ 85 2.2 1.6 1.0 1.1 257 257 84/ 83 1.1 . 8 142 142 82/ 81 114 114 .0 80/ 79 72 72 78/ 51 37 77 51 76/ 75 60 37 74/ 73 18 263 18 72/ 71 555 581 70/ 69 68/ 67 380 66/ 65 266 64/ 63 141 62/ 61 49 60/ 59 58/ 57 27 56/ 55 54/ 53 52/ 51 (OLA) 50/ 49 C 46/ 47 46/ 45 44/ 43 42/ 41 40/ 39 Element (X) Σχ² Mean No. of Hours with Temperature - CO F | ≥ 93 F Rel. Hum. ≤ 32 F Total ≤0 F 267 F | 273 F

2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 6 16 58  $\overline{111}$ 108 184 226 246 256 225 176 186 148 120 96 75 53 40 34 Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUL. YEARS STATION NAME MONTH 2100-2300 HOURS (L. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Poin 38/ 37 36/ 35 16 16 34/ 33 12 3 32/ 31 30/ 29 1 26/ 25 24/ 23 3.1 3.2 4.3 5.9 9.211.814.515.212.3 TOTAL 2415 2415 2415 0-26-5 (OL A) ( Element (X) No. Obs. Mean No. of Hours with Temperature OSAFETAC 90309 267 F 273 F 280 F 293 F 93.0 92.7 87.7 24. Rel. Hum. 3973109 2415 ± 0 F ≤ 32 F 19229354 93.0 215230 2418 92.7 93 Dry Bulb 93 70.9 11465867 166161 2415 12.5 Wet Bulb

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DATA PROCESSING BRANCH USAF ETAC € **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-60,63-65,70-71,73-74 AUG €. PAGE 1 0000-0200 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | ≥ 31 96/ 95 94/ 93 .0 • 1 4 5 92/ 91 24 24 • 1 90/ 89 88/ 87 86/ 85 94 94 1.0 • 3 188 189 . 1 2.4 2.6 2.0 . 5 • 2 2.7 1.0 2.6 4.1 285 287 3.5 4.8 84/ 83 2.5 2.3 •0 361 361 82/ 81 80/ 79 1.3 2.4 3.3 1.9 . 2 365 1.7 370 1.6 • O 3.1 2.4 1.7 1.3 1,6 • 8 •0 289 289 78/ 77 1.5 180 180 1.9 76/ 75 74/ 73 130 79 • 0 130 50 5 1.1 .6 . 6 209 1.2 79 72/ 71 35 36 505 • 5 • 1 . 3 70 / 69 484 • 0 . 1 16 16 68/ 67 264 66/ 65 179 132 64/ 63 62/ 61 99 60/ 59 54 58/ 57 43 56/ 55 54/ 53 31 52/ 51 50/ 49 48/ 47 47 46/ 45 O 44/ 43 42/ 41 40/ 39 C 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29 Element (X) Mean No. of Hours with Temperature O O O USAFETAC ≥67 F | ≥73 F | ≥80 F | ≥93 F Rel. Hum. ± 0 F ⊴ 32 F Dry Bulb Wet Bulb

Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-60,63-65,70-71,73-74 AHG STATION NAME MONTH €. PAGE 2 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point TUTAL 2058 2068 2059 2059 **(** ( (\_ C C € € 0.26-5 (OL A) C ZX No. Obs. Yean No. of Hours with Temperature Element (X) O OSAFETAC 51.716.835 81.9 4.544 68.4 4.355 6077096 106334 267 F 273 F 280 F 293 F 92.9 90.5 67.7 . Rel. Hum. 2058 ≤ 32 F ± 0 F 169402 13919384 93 Dry Bulb 2068 9674978 140356 2059 93 Wet Bulb 68.4 11.8 7786261 125501 61.0 8.040 2058 93 Dew Point 24.2 2.2

( DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 42-74 WILLIAMS AFB ARIZUNA/CHANDLER ť. PAGE 1 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL ( 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 94/ 93 92/ 91 ( 90/ 89 88/ 87 17 17 .0 43 • 0 43 86/ 85 140 140 • 1 254 84/ 83 255 • 0 82/ 81 4.0 3.9 .0 381 381 80/ 79 1.1 2.8 4.8 4.2 3.2 477 479 • 1 1.2 3.3 2.2 2.8 2.3 374 378 78/ 77 2.0 1.7 1.2 76/ 75 1.2 298 298 28 34 74/ 73 .0 1.8 1.8 1.1 18C 180 138 • 1 72/ 71 83 86 460 131 •0 70/ 69 37 37 529 237 .3 68/ 67 26 374 26 221 66/ 65 10 10 231 294 • 0 • 1 175 290 64/ 63 2 .0 2 62/ 61 101 228 G60/ 59 96 173 58/ 57 158 56/ 55 111 54/ 53 96 25 . 61 501 48/ 47 55 46/ 45 42 42/ 41 16 40/ 39 26 38/ 37 17 36/ 35 14 34/ 33 30/ 29 28/ 27 FORM JUL 64 Element (X) Mean No. of Hours with Temperature USAFETAC Rel. Hum. ± 32 F Dry Bulb Wet Bulb

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74 AUG YEARS MONTH PAGE 2 0300-0500 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL ľ. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 3.7, 0.4 8.1 8.7,12.6,15.3,16.7,13.6 7.9 4.3 1.6 .6 TOTAL 2336 2326 2326 2326 C ( ( ( ( C €. C ₹ و و 0.26-5 FOEM JUI 64 Z<sub>X</sub> 131466 No. Obs. Mean No. of Hours with Temperature Element (X) 56.516.420 78.9 4.287 67.5 4.761 61.1 8.130 USAFETAC 8057380 2326 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ± 0 F ≤ 32 ₹ 14589513 10647974 184339 2336 92.5 93 86.6 Dry Bulh 156986 2326 63.2 8.7 93 Wet Bulb 2326 25.1 8824237 142013 <del>93</del> 1.5 Dew Point 

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 AUG STATION MONTH PAGE 1 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TAL TOTAL
W.B. Dry Gulb Wet Bulb Dew Point Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 .0 96/ 95 3 . 1 94/ 93 .0 13 13 92/ 91 41 41 90/ 89 94 34 . 3 88/ 87 190 1.8 190 1.6 1.1 86/ 85 288 289 3.2 3.8 1.3 3.3 84/ 83 .3 391 391 1.3 82/ 81 • 2 441 441 807 79 1.6 2.8 3.0 2.1 475 . 3 .0 78/ 77 2.2 2.2 1.9 1.4 1.2 . 8 346 349 2.0 2.1 1.2 39 767 • 0 283 284 74/ 73 145 147 311 24 91 727 71 156 . 6 91 631 70/ 69 34 641 257 68/ 67 14 419 341 14 • 0 66/ 65 7 279 387 64/ 63 190 347 •0 62/ 61 116 276 60/ 59 -0 98 219 58/ 57 182 61 35 567 36 150 54/ 53 114 52/ 51 105 C 79 50/ 49 48/ 47 48 46/ 45 57 44/ 43 32 42/ 41 30 € g 407 39 24 38/ 37 18 0.26.5 35 35/ 6 34/ 33 32/ 31 C FORM JUL 64 30/ 29 Element (X) Mean No. of Hours with Temperature FETAC Rel. Hum. ± 0 F ± 32 F ≥67 F | ≥73 F | ≥80 F | ≥93 F Total Dry Bulb **€** NSA S Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-74 PAGE 1 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 D.B./W.B. Dry Bulb Wet Bulb Dew Point ≥ 31 196/105 104/103 13 41 41 102/101 100/ 99 98/ 97 93 93 . 0 .6 201 201 1.4 • 8 • 6 96/ 95 2.3 2.4 300 300 2.2 94/ 93 92/ 91 3.8 1.0 424 +26 3.4 2.5 1.0 4.3 2.7 1.8 • 3 454 454 1.2 20/ 89 3.8 3.6 3.3 490 492 2.0 1.0 . 6 88/ 87 3.0 2.0 1.3 342 344 • 5 867 35 2.5 2.0 273 273 1.6 . 8 84/ 83 157 1.5 158 1.1 82/ 81 96 •0 • 1 67 80/ 79 67 787 30 31 31 76/ 75 74/ 73 286 25 25 II 730 24 •1 798 116 72/ 71 11 11 70/ 69 563 215 68/ 67 287 305 66/ 65 146 395 102 407 54/ 63 364 52/ 61 48 60/ 59 ( 33 278 236 58/ 57 180 56/ 55 133 53 54/ 52/ 51 92 78 50/ 49 ತ 57 48/ 47 46/ 45 35 44/ 43 **(**: 28 42/ 41 40/ 39 14 Element (X) **€** 2 Rel. Hum. ≤ 32 F ≥67 F | ≥73 F | ≥80 F | ≥93 F Dry Bulb

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**(** DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 42-74 WILLIAMS AFB ARIZONA/CHANDLER AUG 0900-1100 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb, Dew Point (F) 38/ 37 19 36/ 35 34/ 33 5 6 32/ 31 30/ 29 4 .6 1.0 1.0 2.2 3.6 4.7 7.310.010.714.712.310.3 8.2 6.3 3.8 3.3 TOTAL 3035 3035 3035 THIS FORM ARE OBSOLETE REVISED MEVIOUS EDITIONS OF C O 0-26-5 (OL A) € X 7x 40.014.256 96.3 5.436 70.8 3.470 60.9 7.281 z<sub>x</sub> 121330 Element (X) ZX2 No. Obs. Mean No. of Hours with Temperature SAFETAC 5467024 267 F 273 F 280 F 293 F 93.0 92.6 89.8 33.0 3035 Rel. Hum. ±0 F ≤ 32 F 24913276 274886 3044 93 Dry Bulb 15256130 214922 3035 82.7 32.2 93 Wet Bulk 11407751 184755 Dew Point 3035 20.3 93 .8

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY WILLIAMS AFB ARIZUNA/CHANDLER

STATION NAME • AUG PAGE 1 1200-1400 O O USAFETAC

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 AUG YEARS 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 7 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 44/ 43 49 42/ 41 30 40/ 39 30 38/ 37 17 36/ 35 34/ 33 13 7 32/ 31 4 30/ 29 TUTAL 3022 .9 2.2 4.2 6.3 7.8 11.7 12.7 12.6 11.0 9.0 19.2 3032 . 1 3024 3024 ₹ C g 0.26.5 FORM JUL 04 3410932 X x 31.412.009 No. Obs. Mean No. of Hours we emperature Element (X) O O 267 F 273 F 280 F 293 F 93.0 92.8 92.0 75.6 94822 Rel Hum. 3022 ± 32 F 93 96.6 5.457 292786 28363236 3032 Dry Bulb 46.1 15668262 217438 71.9 3.333 3024 86.0 93 Wet Bulb • C 93 179732 59.5 7.522 Dew Point 10860426 3022 14.8 .5 And the property of the proper

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2 DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZUNA/CHANDLER 42-74 AUG 1500-1700 HOURS (L. S. r.) PAGE 1 C C 58/ 57 56/ 55 263 €, 227 54/ 53 52/ 51 175 141 50/ 49 111 48/ 47 77 Σχ2 Element (X) No. Obs. Mean No. of Hours with Temperature ≤ 32 F Dry Bulb Wet Bulb

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**PSYCHROMETRIC SUMMARY** 

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER

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PAGE 2

1500-1700 HOURS (L. S. T.)

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0 DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER ΛUG 42-74 PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. Ç, (F) 1. 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 30 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 112/111 1 110/109 €. 108/107 8 35 106/105 1.3 104/103 109 109 1.1 2.6 € 102/101 2.7 165 165 100/ 99 2.8 2.1 2.5 286 286 98/ 97 364 365 96/ 95 360 361 ( . 8 2.7 4.0 1. 3.3 94/ 93 3.7 3.2 1.5 1.1 374 375 91 .5 1.5 321 92/ 321 2.2 •0 1.8 1.6 90/ 89 1.6 224 224 .8 88/ 87 164 164 1.6 1.2 . 3 . 3 . 2 . 3 1.0 86/ 85 102 102 84/ 83 67 70 82/ 81 . 2 63 63 41 807 79 .0 41 78/ 77 21 33 767 75 21 21 234 74/ 73 8 8 647 4 744 71 72/ 71 70/ 69 510 104 687 67 279 186 66/ 65 138 252 641 63 88 305 361 44 62/ 61 313 60/ 59 23 58/ 57 245 56/ 55 169 179 52/ 50/ 49 107 48/ 47 84 54 46/ 45 Element (X) Mean No. of Hours with Temperature ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. Total ± 0 F ≤ 32 F Dry Bulb Wet Bulb A CONTROL OF THE PROPERTY OF T

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( DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB APIZUNA/CHANDLER 42-74 C 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point • (F) 44/ 43 42/ 41 44 35 ť, 40/ 39 29 38/ 37 36/ 35 34/ 33 11 C 32/ 31 1 TOTAL .6 1.2 1.3 2.2 2.8 3.6 4.8 5.6 9.611.013.012.410.5 8.312.4 2750 2743 2744 2744 C C C 8 ಠ Element (X) No. Obs. Mean No. of Hours with Temperature 34.214.498 93.7 6.238 70.8 3.366 58.9 7.571 93788 3783112 2743 ± 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ±0 F 2750 2744 24249048 93.0 92.8 90.3 57.8 93 257664 Dry Bulb 93 13785161 31.0 Wet Bulb 194271 83.0 9676422 161590 2743 13.2 1.0 93 Dew Point

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( DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER AUG 42-74 2100-2300 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 104/103 • 1 102/101 ( 100/ 99 • 2 98/ 97 967 95 66 • 0 . 8 • 5 66 94/ 93 1.0 143 143 .0 1.2 1.6 4.5 2.8 259 92/ 91 1.6 258 · 8 1.1 • 2 • 1 390 90/ 89 389 1.6 88/ 87 1.3 3.6 2.4 2.0 408 409 4.4 1.4 . 3 . 2 • 0 .6 .5 1.6 . 8 86/ 85 3.0 365 365 1.6 84/ 83 2.4 268 270 { 82/ 81 1.6 1.2 • 0 154 155 . 1 79 80/ 1.8 144 144 1.3 . 6 • 0 78/ 77 87 87 10 76/ . 1 58 58 5 83 • 2 . 0 74/ 73 350 24 26 24 . 1 72/ 71 13 648 104 510 174 70/ 69 193 68/ 67 302 66/ 65 192 258 156 300 64/ 63 62/ 61 86 265 231 59 49 60/ 58/ 57 34 162 55 137 56/ 123 54/ 53 52/ 51 101 98 50/ 49 48/ 47 72 46/ 45 57 35 44/ 43 32 42/ 41 40/ 39 18 38/ 37 16 Σχ² Mean No. of Hours with Temperature Element (X) No. Obs. USAFETAC Rcl. Hum. 4 0 F ≤ 32 F 267 F | 273 F | 280 F ≥ 93 F Total Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-74
STATION NAME YEARS £. PAGE 2 2100-2300 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B., Dry Bulb Wet Bulb Dew Point ₹. 36/ 35 8 6 34/ 33 € 32/ 31 30/ 29 2 28/ 27 **(** ) 26/ 25 2427 TOTAL .2 1.0 2.6 2.9 3.6 5.1 6.1 7.710.414.912.713.1 8.9 5.2 3.7 2436 .9 1.0 2430 C I ব 0.26-5 (OL.) FORM JUL 64 No. Obs. Mean No. of Hours with Temperature Element (X) CSAFETAC 105474 43.516.251 210759 86.5 5.213 168189 69.2 3.967 145314 59.9 8.058 267 F 273 F 280 F 293 F 93.0 92.2 83.7 9. 5226082 2426 Total Rel. Hum. ± 0 F 1 32 F 18300713 2436 Dry Bulb 11679187 2430 72.8 17.0 93 Wet Bulb 8858030 93 19.3 2427 Dew Point

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# **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-60,63-65,72-74 SEP
STATION STATION NAME YEARS

PAGE 1 2000 0200

PAGE 1 0000-0200 HOURS (L. S. T.)

Dry Bulb Wet Bulb	Temp.							BULB T									_		TOTAL		TOTAL	
94/ 93	(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>2</b> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91 90/ 89 87 88/ 87 80/ 85 81 82/ 81 82/ 81 80/ 79 81	98/ 97																	•1	1	1		
92/ 91 90/ 89 9	94/ 93					j							. 1	. 1			.1	ļ	4	4	<b>,</b> ,	, ,
99/ 89	92/ 91										. 1					• 1			2	2		
88 / 87	90/ 89			i								• 3	. 1	• 2				İ	12	12		
86/ 85										•1				<del></del>	• 1		.1		44	44		
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B2Z   B1						i			• 9						• 2	.1			158	158		
800 79 78/ 77 78/ 78 78 78/ 78 78 78/ 78 78 78/ 78 78 78 78 78 78 78 78 78 78 78 78 78 7	82/ 81					. 1	. 5	. 3			2.0	1.7		• 3				ļ	178	178		
786 77					• 1				1.8	2.1	2.1	2.3	.7			• 1			257	258		
76/ 75 74/ 73 74/ 73 74/ 73 74/ 73 74/ 73 74/ 73 74/ 73 74/ 73 74/ 73 74/ 73 75/ 74/ 74/ 74/ 74/ 74/ 74/ 74/ 74/ 74/ 74		i	j	. 1	.5													;	249	251		
74/ 73			• 2		- 8	. 8			2.2	2.1									242	242	i	
72/ 71		. 1	. 3	1.0	.9	.7			1.8				i						233	233	17	2
70/ 69		• 1	. 3	. 8	. 6	. 8	• 6	1.2	1.7	1.7		• 3						<u> </u>	186	186	98	18
68/ 67	70/ 69	• 2			.2	.5			1.3	1.1	. 8		l Ì	1		! [		]	132	132	164	44
66/65 •2 •2 •3 •1 •2 •5 •5 •5 •2 •1	68/ 67	• 2	• 1						1.2	.9								Γ	92	92	175	63
64/63	66/ 65	• 2				• 1			. 5	.5			ļ					•	46		279	102
60/ 59	64/ 63		• 1	• 1		• 1	• 1	• 1	.3	. 3				Ī								90
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56/55	60/ 59	• 1	• 1				• 1	. 1	• 1									Γ	7	7	243	150
54/53			• 1			• 1	• 1											ļ		3	180	116
52/51 50/49 48/47 46/45 44/43 42/41 40/39 38/37 36/35 34/33 32/31 30/29  Element (X)  Element (X	56/ 55			• ]	• 1														2	2	160	148
50/ 49			• 1	• 1	. 1	]												<u> </u>	3	3		
48/ 47 46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29 Element (X)	52/ 51																					143
46/ 45 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29  Element (X)				l							ı											140
44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29  Element (X)																						139
42 / 41																!			<u> </u>		3	
40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29  Element (X)										!											1	97
38/ 37  36/ 35 34/ 33  32/ 31 30/ 29  Element (X)										<u> </u>						<u> </u>						104
36 / 35   34 / 33   32 / 31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   30 / 29   31   31   31   31   31   31   31   3																						69
34/33  32/31 30/29  Element (X)	38/ 37																				L	46
32 / 31 30 / 29  Element (X)																				7		34
30 / 29																		<u> </u>				19
Element (X)																						20
Rel. Hum.     ± 0 F     ± 32 F     ≥ 67 F     ≥ 73 F     ≥ 80 F     ≥ 93 F     Tot       Dry Bulb     Wer Bulb     = 0 F     ± 32 F     ≥ 67 F     ≥ 73 F     ≥ 80 F     ≥ 93 F     Tot	30/ 29															Ĺ			<u> </u>			17
Dry Bulb Wet Bulb Substitution			ΣX2			žχ	$\bot$	X	<b>″</b> χ		No. Ob	8.				Mean N	lo. of H	ours wit	h Temperat	nte.		
Wet Bulb	Rel. Hum.												± 0 1	:   •	32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
	Dry Bulb																					
Dew Point	Wet Bulb																					
	Dew Point																					

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER SEP 42-60,63-65,72-74 MONTH 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 15 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 28/ 27 26/ 25 6 6 2 2 24/ 23 22/ 21 20/ 19 1 18/ 17 TOTAL 1974 1971 .7 1.3 3.6 3.1 4.9 7.111.715.015.618.110.9 4.8 2.3 • 1 1971 1971 Z I ব 9 0.26.5 8960 -79 X x 45.516.548 76.4 5.905 62.1 5.590 52.2 9.668 No. Obs. Mean No. of Hours with Temperature Element (X) USAFETAC 4612853 1971 267 F | 273 F | 280 F | 293 F **±0** F ± 32 F 11587952 1.50794 1974 85.9 67.2 27.9 90 Dry Bulb 7665396 1.22422 1971 • B 90 20.7 Wet Bulb

1971

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Dew Point

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DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP PAGE 1 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 90/ 89 .0 .0 88/ 87 9 86/ 85 84/ 83 31 31 • 1] . 3 59 59 82/ 81 .9 100 100 • 6 • 1 80/ 79 78/ 77 182 182 •0 265 267 76/ 75 1.9 268 270 O 74/ 73 1.6 2. • 1 283 283 10 72/ 71 2.3 2.1 1.5 274 274 . 0 70/ 69 130 1.0 1.6 2.0 2431 243 2.3 184 68/ 67 1.6 207 207 247 66/ 65 1.0 1.1 110 Tī • 7 64/ 63 257 69 62/ 61 .1 62 241 62 60/ 59 58/ 57 28 254 28 • 2 12 12 208 56/ 55 2 174 . 1 54/ 53 170 •0 • 0 4 52/ 51 117 50/ 49 45 48/ 47 45 46/ 26 44/ 43 10 42/ 41 40/ 39 35/ 37 351 36/ 35 34/ 33 ತ 0.26.5 30/ 29 28/ 27 26/ 25 ΣX² ¥ No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 10F 132F ≥ 67 F ≥ 73 F ≥ 80 F Total Dry Bulb

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 53 63 95 127 116 163 134 143 160 149 169 143 132 121 101 89 73 44 46 33 17 13 12 5 Wet Bulb Dew Point

( DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WI! LIAMS AFB ARIZONA/CHANDLER 42-74 23104 STATION SEP YEARS 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 12 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 22/ 21 5 20/ 19 18/ 17 16/ 15 TOTAL .0 2.7 4.0 4.7 7.510.615.917.816.810.9 5.3 2.0 2225 2221 2221 2221 C ENTIONS OF € C ã 0.26.5 (OL C  ${\mathfrak C}$ 70 EM X 49.216.919 72.9 6.012 60.5 6.220 No. Obs. Mean No. of Hours with Temperature Element (X) ZX 6015075 109307 2221 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 11917404 162288 2225 78.0 48.7 12.0 90 SAFE1, Dry Bulb 90 8211368 134338 2221 Wet Bulb 16.2 •4 Dew Point 6104156 114178 51.410.277 2221 5.1 90 

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€ DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 42-74 WILLIAMS AFB ARIZONA/CHANDLER SEP STATION €. PAGE 1 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 94/ 93 .0 .0 92/ 91 10 ( 90/ 89 86/ 87 27 27 • 0 • 3 . L • 0 .0 47 47 86/ 85 .6 93 93 • 8 .3 • 0 - 1 •0 ( 138 84/ 83 138 82/ 81 86/ 79 207 207 • 8 1.6 • l • 2 2481 1.4 249 1.2 1.5 78/ 77 į . 1 272 272 1.7 1.7 1.6 •0 76/ 75 1.1 319 1.8 321 1.5 1.4 1.0 1.8 74/ 73 1.0 1.1 .6 297 299 23 72/ 71 89 2671 268 12 . 6 70/ 69 202 44 .8 1.8 252 252 31 .7 172 76 68/ 67 1.4 1.2 . 1 172 143 139 66/ 65 143 1.1 1.0 • 1 85 64/ 63 85 314 154 294 158 62/ 61 43 43 ( 60/ 59 58/ 57 193 44 44 284 . q 16 179 • 1 16 217 • t •0 .0 • 0 191 56/ 55 196 54/ 53 52/ 51 ( 189 199 •0 181 4 133 .0 50/ 49 68 180 1, 44 147 48/ 47 46/ 45 35 146 44/ 43 7 136 £ 139 42/ 41 40/ 39 38/ 37 36 ã ชร์ ತ 1 36/ 35 61 60 34/ 33 32/ 31 38 30/ 29 38 28/ 27 17 No. Obs. Element (X) Mean No. of Hours with Temperature **\$** NFETAC 273 F | 280 F | 293 F Rel. Hum. ≤ 32 F Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH 2 USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER PSYCHROMETRIC SUMMA STATION ( . 42-74 WET BULB TEMPERATURE DEPRESSION (F)

1-2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 ≥ 31 D.B./W.B. Dry Bulb | Wer Bulb | Dew P (F) 26/ 25| 24/ 23| 22/ 21| 20/ 19| 18/ 17-16/ 15 TOTAL 7.4 9.814.215.915.213.0 7.2 4.5 1.5 1.0 ( 2709! 2703 2703 ₹ **€** 00 0.26.5 USAFETAC Element (X) Rel. Hum. 6797257 Dry Bulb 15107825 127849 47.316.662 74.4 6.902 61.0 6.418 No. Obs. Wet Bulb 10174277 201439 Dew Point 2703 Mean No. of Hours with Temperature 164925 139224 7463048 = 0 F 2709 .67 F .73 F .80 F 78.3 55.3 22.0 2703 2703 19.9 90 4.6

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

PAGE 1

0900-1100 HOURS (L. S. T.)

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	≥ 31			Wet Bulb	Dew Point
104/103			'	- 1								}					• 4	11	11		! !
102/101									<u> </u>					• 1	• 2	• 1	-6	27	27		
100/ 99													• 1	• 1	• 5	.6	• 9	61	61		!
93/ 97											i	• 1	• 2.	• 6	1.2	.7	1.1	111	111		
96/ 95			1					1			• 1	• 5	1,1	1.0	1.6	1.5	• 7		191		
94/ 93				i							. 6	1.0	1.3	2.1	1.4	. 5	.61		216		
92/ 91			1						.0	• 4	1.4	2.1	2.1	1.7	1.2	1.1	• 4		301		
90/89			i						.7	1.4	1.9	2.0	2.3	1.7	1.1	.3	• 3	335	335		ļ
88/ 37							• 2	. 4	1.1	2.0	2.0		1.6		• 2	.3	• 1		350		
86/ 85					ار. ـ ـ ـــــا	•0		1.2	1.	1.9	1.6	1.5	1.5	1.2	• 2	.2		316	316		<b></b>
84/ 83			ļ		• 0					1.2	1.5	.9		. 8	•4	• 0	Ì	264	264		
82/81				- 1	- 2		- 9	1.1	• 7	• 6	1.2	1.2	1.0	•2	• 2	•0		229	229		<b></b>
80/ 79		• 1		• 1	• 2					• 6		. 6	• 3		• 1		ĺ	161	161	_	
70/ 77			- 1	- • ?	3	5	<u>د .</u>	•6	.6	.4		- 6						133	133	2	
76/ 75	• ti			• 4	• 5	ذ ٠	٠l		• 1	• 2	• 3	. 3	• 2			}		71	71	26	2
74/ 73			• 1	·3	.2	• 1	•1	• 1	• 1	. 4	- • 1	• 1	• 0					57	57	157	
72/ 71	• 1		• 1	• 4		• 1		•0	•0	• 1	• 1	• 1	i			1		26	26	333	
70/ 69			. 2			, ,	-0	.0	•0	. 1	•0				<del>'  </del>	<u> </u>		15	15	470	
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66/ 65	.1	•0	•0				<u> </u>		•0									8	8	419	
62/61			·u	1	•0		•0	ĺ								ĺ		3	3	315	
60/ 59			•0	.0			ļ								-					275	
38/ 57			• 4						•							Ì	1	1		175	1
56/ 55			<del></del>				<del> </del>	<b> </b>												111	231
54/ 59				1		· I		l l	<b>\</b>			i 1				1				71 29	
52/ 51							<del> </del> -	<del> </del>	<del> </del>						<del> </del>					17	
50/									}							}					
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46/ 45			1													j	(				168
44/ 43		L					<del></del>		<del> </del> -						<del></del>						139
42/ 41																į	ļ				111
40/ 39		<u> </u>	'			<del> </del>			<del> </del>						<del></del>						92
38/ 37						İ	1	Ì	1			1			i	ļ					79
Element (X)		Exp al	-		z x	<del>'                                    </del>	X	- F	<del>'                                    </del>	No. Ob					Maga M	L	141	Temperat		<del></del>	17
Rei. Hum.										.10. 00	<del>"</del> —	≤ 0 1		32 F	mean 14		73 F	≥ 80 F	≥ 93	E 1	Total
Dry Bulb								<del> </del>			<del></del>	2 0 1	<del></del>	. J. F	- 6/	<u></u>	/3 F	- 00 F	73	<u>'</u>	10161
Wet Bulb								<del> </del>			∤				<del> </del>			<del> </del> -			
Dew Point														~	<del> </del> -			<del> </del> -			
								<u> </u>		·····	<u>-</u>				<b></b>			<u> </u>			

FORM 0.26-5 (OLA) EEVISED MEY-OUS EDITIONS OF THIS FORM ARE OISOLETE

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP STATION 0900-1100 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 36/ 35 43 34/ 33 38 32/ 31 22 30/ 29 28/ 27 19 14 12 26/ 25 24/ 23 22/ 21 2893 TOTAL .7 1.3 1.4 2.4 3.6 5.4 6.8 9.312.212.613.111.4 9.1 5.5 4.9 2893 2893 2893 Š a 0.26-5 (OL FORM JUL 64 Element (X) No. Obs. Mean No. of Hours with Ter nerature 97653 3892935 33.814.364 2893 ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. ≤ 0 F ≤ 32 F 87.1 6.756 66.0 4.832 52.9 9.550 251879 2893 9C 89.6 88.2 78.0 19.2 22061825 Dry Bulb 90 12669440 190938 2893 46.0 5.8 Wet Bulb **€**: ASD

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Dew Point

DATA PRUCESSING BRANCH USAF EFAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-74 SEP 23104 STATION NAME MONTH PAGE 1 1200-1400 WET BULB TEMPERATURE DEPRESSION (F) TOTAL. TOTAL Temp. €. D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 112/111 110/109 Ç, 108/107 22 .0 22 106/105 2.3 72 72 104/103 142 142 4.3 • 9 102/101 1.6 5.0 221 221 100/ 99 .3 1.1 2.1 2.3 1.2 1.7 2.2 2.0 4.8 311 311 98/ 97 1.2 3.4 311 2.2 311 2.0 2.5 96/ 95 1.1 2.4 2.3 3.1 398 399 1.7 94/ 93 1.7 1.6 313 .4 1.8 1.8 313 1.6 275 92/ 91 1.3 1.3 275 1.3 1.4 1.6 90/ 89 88/ 87 1.5 1.5 . 9 268 268 168 . 8 • 8 • 6 • 3 168 .3 130 86/ 85 130 . 3 83 . 1 36 84/ • 3 • 1 86 • 2 82/ 81 58 53 80/ 79 •0 . 1 36 36 . 1 29 29 78/ 77 75 76/ • 0 15 74/ 73 . 0 259 71 .0 727 6 486 Ó . 0 4 70/ 69 4 540 21 463 61 130 67 66/ 65 381 114 64/ 63 322 154 62/ 61 188 214 215 60/ 59 80 58/ 57 52 226 56/ 55 28 246 54/ 53 10 218 52/ 51 209 50/ 49 200 48/ 47 161 175 46/ 45 Element (X) Mean No. of Hours with Temperature USAFETAC ≥ 67 F : ≥ 73 F | ≥ 80 F ≤ 0 F ≤ 32 F ≥ 93 F Total Rel. Hum. Dry Bulb We Bulb Dew Point

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER SEP 42-74 YEARS STATION NAME 1200-1400 HOURS (L. S. T.) PAGE 2 WET BL - EMPERATURE DEPRESSION (F) TOTAL TOTAL (F) D.B./W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 21 148 44/ 43 124 40/ 39 106 38/ 37 83 36/ 35 66 34/ 33 38 32/ 31 35 30/ 29 20 28/ 27 24 26/ 25 24/ 23 15 10 22/ 21 18/ 17 16/ 15 ī 2894 TOTAL .4 1.0 1.2 2.2 2.2 4.1 5.4 6.810.111.313.713.327.3 2895 • 1 2894 2894 ₹ g 0.26-5 FORM Jul 64 76057 X x 26.312.486 Mean No. of Hours with Temperature Element (X) No. Obs. 4449875 2894 Rel. Hum. ≤ 0 F ≥ 67 F ≥ 73 F ≥ 80 F = 93 F 90 25717512 272150 94.0 6.793 2895 89.9 39.5 87.2 56.1 Dry Bulb 90 13301204 195796 67.7 4.339 51.6 9.655 2894 56,9 Wet Bulb 10.6

2894

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Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC SEP 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 STATION MONTH 1500-1700 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp, (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 114/113 2 • 1 112/111 7 110/109 16 16 108/107 46 46 1.6 118 106/105 118 . 1 4.1 104/103 .9 6.3 205 272 370 7.1 272 102/101 .2 1.2 1.3 .0 7.4 370 100/ 99 2.2 2.6 98/ 97 1.9 2.5 5.0 365 365 • 3 1.3 2.0 96/ 95 94/ 93 1.9 335 1.4 2.0 4.0 335 1.8 1.4 1.3 1.6 1.6 2.1 261 261 92/ 91 . 9 .9 1.4 1.3 1.1 . 8 222 222 90/ 89 .7 1.0 1.1 1.0 • 5 185 185 88/ 87 • 4 122 122 • 6 .6 .5 . 5 86/ 85 . 0 • ). • 3 . 2 . 1 84/ 83 51 52 32 81 . 3 . 1 .1 32 82/ . 1 e U 80/ 79 38 38 . 1 . 1 78/ 77 . 1 .1 • 2 •0 . 2 20 20 ٠ì 76/ 75 13 13 62 .0 • 1 .0 73 3 269 74/ • 0 •1 • 0 13 13 72/ 71 8 ម 404 6 23 70/ 69 . 1 •0 8 8 525 68/ 67 499 51 70 380 2 • 0 66/ 65 • 0 64/ 63 306 117 180 157 62/ 61 60/ 59 88 176 ð 58/ 57 47 208 ತ 55 19 192 56/ 0.26.5 53 226 54/ 52/ 51 217 219 50/ 49 FORM JUL 64 48/ 47 190 Element (X) ¥ No. Obs. Mean No. of Hours with Temperature ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. ≤ 0 F ± 32 F Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Poin **(£)** 46/ 45 174 44/ 43 169 42/ 41 159 40/ 39 129 83 38/ 37 35 70 36/ 51 34/ 33 32/ 31 32 23 30/ 29 28/ 27 20 26/ 25 15 6 2 1 24/ 23 22/ 21 20/ 18/ 17 1 TUTAL .6 1.0 1.2 1.6 2.7 3.1 5.2 7.7 9.6 11.8 13.3 40.1 2792 2791 2791 2791 C, (OL A) 0.26-5 No. Obs. Mean No. of Haurs with Temporature USAFETAC Rel. Hum. 2065898 67354 24.112.565 2791 267 F | 273 F | 280 F | 293 F ± 0 F ≤ 32 F 90 95.6 6.988 89.3 266867 2792 89.9 87.2 54.4 Dry Bulb 25644183 2791 56.9 Wet Bulb 12816520 188770 67.6 4.191 10.9 90

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74 SEP STATION YEARS STATION NAME €. PAGE 1 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bula Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 108/107 •0 106/105 104/103 8 8 •0 26 26 102/101 43 43 100/ 99 98/ 97 88 .8 XR 1.3 151 151 96/ 95 1.5 192 193 .3 1.1 1.8 1.2 1.4 94/ 93 2.0 233 233 92/ 91 2.5 266 266 • 8 1.9 1.8 • 8 1.4 90/ 89 2.8 328 328 1.4 2.3 2.5 . 8 1.0 • 3 1.1 1.1 • 1 88/ 87 1.0 2.0 2.3 1.7 278 278 . 8 276 276 86/ 85 - 6 2.0 2.0 1.7 1.0 193 84/ 83 . 8 1.2 1.7 193 82/ 81 1.0 177 177 1.2 1.0 . 8 124 . 3 124 79 80/ . 8 .6 78/ 72 72 75 76/ 60 60 21 • 2 • 1 . 1 • 0 29 29 106 74/ 73 15 .0 .0 • 1 20 20 277 72/ 71 . 2 .0 18 419 28 18 70/ 69 68/ 67 6 6 468 47 6 408 94 6 66/ 65 331 127 3 64/ 63 .0 . 1 3 0 62/ 238 143 61 192 59 166 60/ 198 58/ 57 92 56/ 55 45 256 21 207 54/ 53 52/ 51 232 õ 50/ 49 201 175 48/ 47 46/ 45 162 44/ 43 122 FORM JUL 64 108 42/ 41 Mean No. of Hours with Temperature Σχ² No. Obs. Element (X) T. Total 267 F 273 F 280 F 493 F Rel. Hum. 10F ≤ 32 F Dry Bulh Wet Bulb € S Dew Point

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC SED 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74 STATION STATION NAME PAGE 2 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 21 (F) 40/ 39 85 38/ 37 58 36/ 35 34/ 33 56 29 32/ 31 30 30/ 29 13 28/ 27 8 26/ 25 24/ 23 3 20/ 19 14/ 13 1.0 1.2 1.6 1.5 2.3 2.7 4.0 7.9 9.814.015.012.7 9.7 7.4 8.5 TOTAL 2599 2599 2599 Σχ' 3112470 No. Obs. Mean No. of Hours with Temperature Element (X) Z X 31.514.320 81882 2599 ≥67 F | ≥73 F | ≥80 F | ≥93 F | Rel. Hum. 10F ≤ 32 F 20436752 90 229828 88.4 7.039 81.0 25.7 2601 89.6 88.1 Dry Bulb 66.0 4.503 52.0 8.981 11367058 171482 2599 4.4 90 Wet Bulb 44.7 7243575 2599 90 135209 Dew Point 3.2 The state of the s

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USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP PAGE 1 2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 100/ 99 .0 98/ 97 96/ 95 10 10 94/ 93 25 25 92/ 91 68 68 .0 . 6 . 8 . 1 •0 ( 90/ 89 118 118 88/ 87 190 190 .6 1.2 1.7 2.3 . 2 . 6 • 2 86/ 85 1.5 2.4 . 8 . 8 262 262 2.1 ( .5 84/ 83 . 1 1.7 2.0 2.3 .1 284 284 1.5 • 4 2.3 271 82/ 81 1.6 270 •0 . 1 807 2.1 2.0 2.4 1.6 . 8 • 1 285 285 ( . 8 1.5 1.2 78/ 77 .6 1.5 1.6 195 198 •0 • 0 199 76/ 75 . 9 .9 1.6 1.5 • 9 .0 199 • 2 74/ 150 150 . 4 C 72/ 71 •5 •4 90 141 22 90 1.0 • 1 • 4 •0 70/ 69 49 49 240 33 68/ 67 • C .0 299 54 • 0 26 26 . 1 66/ 65 13 117 . 1 .1 13 309 91 64/ 63 • Q • 0 8 8 306 • 0 .0 62/ 61 119 4 270 607 57 .0 243 141 58/ 57 184 172 3 55 56/ .0 127 162 54/ 53 56 194 52/ 51 33 172 50/ 49 154 14 C 158 48/ 47 46/ 45 149 44/ 43 124 õ 42/ 41 97 88 38/ 37 67 367 35 42 34/ 33 23 Element (X) X Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F × 73 F × 80 F × 73 F ≤ 0 F ≤ 32 F Total Dry Bulb Wet Bulb € Š Dew Point

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DATA PROCESSING BRANCH

( DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANGLER 42-74 PAGE 2 2100-2300 HOURS (L. S. T.) | WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL (F) 32/ 31 30/ 29 29 21 28/ 27 4 26/ 25 24/ 23 6 22/ 21 20/ 19 18/ 17 16/ 15 12/ 11 2257 .8 2.5 1.7 2.2 4.1 5.3 7.7 3.1 4.8 16.3 14.4 9.0 4.5 1.9 1.1 2258 TUTAL 2257 2257 ( a £ 0.26.5 € Mean No. of Hours with Temperature Element (X) No. Obs. 267 F 273 F 280 F 293 F 88.8 82.2 55.9 1.5 3973086 87644 38.815.391 2257 ≤ 0 F ≤ 32 F Rel. Hum. 81.0 6.119 63.4 5.187 51.7 9.752 14886129 9141613 2258 182817 90 SA FET Dry Bulb 90 143163 2257 Wet Bulb 28.3 1.2 3.1 Dew Point 6240443 115621 2257 4.4 •0 90 

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 23104 DOT 42-60,63-65,72-74 STATION NAME €. PAGE 1 3000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. C D.B./W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) 86/ 85 82/ 81 ( 80/ 79 • l . 1 12 1.5 78/ 77 41 43 95 99 76/ 75 74/ 73 113 113 72/ 71 166 1.3 166 2.4 . 5 70/ 69 1.4 195 195 . 7 . 1 209 68/ 67 2.3 2.2 209 14 13 1.2 2.3 . 2 225 1.8 2.6 39 66/ 65 225 16 64/ 63 . 2 .7 1.3 1.6 1.8 2.8 1.6 • 1 203 203 45 14 .9 1.8 105 26 62/ 61 1.8 172 172 1.7 60/ 59 1.0 1.5 1.3 1.4 152 152 135 34 58/ 57 219 118 118 46 55 75 56/ 80 30 294 56 256 54/ 53 56 102 43 52/ 51 • 5 43 241 120 ( 50/ 49 209 99 26 153 153 48/ 47 18 18 8 110 46/ 43 9 44/ . 1 • 1 174 36 42/ 41 40/ 39 38/ 37 18 155 € 122 36/ 35 127 33 108 34/ 85 32/ 31 30/ 29 61 24 28/ 27 26/ 25 24/ 23 13 22/ 21 20/ 19 3 FO.E. 18/ 17 Element (X) Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F Rel. Hum. 10F ≤ 32 F To ol Dry Bulb Wet Bulb **₹**SA Dew Point

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-6),63-65,72-74 DCT 0000-0200 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point 16/ 15 14/ 13 .2 3.9 5.9 7.1 8.914.015.818.314.8 6.5 3.0 1.0 1962 TUTAL 1952 • 4 . 2 1953 1953 ( **EDITIONS OF** ( ব 0.26-5 (OL C • 70 E 94206 94206 X 48.317.386 No. Obs. Mean Ho, of Hours with Temperature Element (X) Re.. Hum. 5136238 1952 ≥ 67 F = 73 F = 80 F = 93 F 64.9 7.164 53.5 5.775 43.3 9.260 8352824 127320 1962 40.2 13.2 93 Dry Bulb 93 5657064 104504 1953 Wet Bulb Daw Point 3827891 84531 1952 93

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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## **PSYCHROMETRIC SUMMARY**

### AFB ARIZONA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. WET BULB TEMPERATURE DEPRESSION (F)

TOTAL TOTAL

Temp.							WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	(F)						TOTAL		TOTAL	
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Wet Bulb												i				<b> </b>			<b> </b>			
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DATA PRUCESSING BRAHCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR VEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME OCT MONTH €. 0300-0500 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 14/ 13 3 10/ 9 €, 4/ .6 6.1 6.7 8.014.016.017.715.710.5 3.3 1.0 2243 TUTAL 2243 2243 ₹ õ C FORM JU 64 X 6x 51.318.309 61.6 7.139 51.6 6.337 Element (X) Mear No. of Hours with Temperature 2243 2252 2243 267 F = 73 F = 80 F = 93 F 23 - 7 5 0 0 1 Rel. Hum. 114983 6645969 : 32 F 10F 93 Dry Bulb 8658208 136708 6054654 115666 93 Wet Bulb 41.910.101 93 4166209 93977 

DATA PRUCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHAP LER OCT 42-74 0600-0800 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 36 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 86/ 85 84/ 83 . 0 • 0 <sub>2</sub> 0 .0 82/ 81 . 1 27 27 80/ 79 78/ 77 o .0 • 0 29 •0 . 3 • 0 • 0 28 . 1 767 75 61 61 74/ 73 . 6 101 104 72/ 71 70/ 69 141 • 0 199 1.5 198 10 . 7 1.4 • 9 • 3 .1 68/ 67 1.3 259 260 19 1.0 1.9 1,6 66/ 65 235 236 43 . 6 1.0 1.4 1.2 64/ 63 74 1.6 273 273 27 62/ 61 1.6 1.8 1.6 1.6 268 268 113 40 1.0 60/ 59 58/ 57 1.1 2.3 136 56 1.0 281 281 1.0 .0 1.4 1.7 1.4 223 223 223 68 56/ 55 1.1 2.0 182 182 267 103 53 54/ 1.3 152 299 118 152 52/ 51 111 111 346 124 50/ 49 . 1 286 193 • 3 48/ 47 63 178 243 63 45 45 221 189 • ] . 1 44. 43 35 35 185 212 42/ 41 .0 13 13 113 133 . 1 40/ 39 . 0 • 0 6 77 185 6 38/ 37 ō 46 156 36/ 35 164 34/ 33 .0 10 155 32/ 31 135 ন 5 30/ 29 3 147 õ 101 28/ 27 0-26-5 261 83 24/ 23 71 22/ 21 34 20/ 19 16 Element (X) ZX No. Obs. Mean No. of Hours with Temperature ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. dum. Total ±0 F ± 32 F Dry Bulb C A Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR MEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZUNA/CHANDLER 42-74 PCT MONTH 0600-0800 PAGE 2 Tenp WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B. W.B. Dry Bulb Wet Bulb Dew Pain ≥ 31 18/ 17 9 14/ 13 12/ 11 10/ 6/ TOTAL 7.2 8.412.216.017.414.9 8.9 5.4 2.5 2806 2797 2797 2797 ã õ FORM JUL 64 Element (X) No. Obs. Mean No. of Hours with Temperature 27.6 7.7 .8 ×93 F 8014198 140406 50.218.587 2797 Rel. Hum. ± 0 F ≤ 32 F Total 10880512 93 173278 61.8 8.014 2806 Dry Bulb 51.4 6.907 Wet Bulb 7529748 143832 2797 93 1.0

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** 23104 WILLIAMS AFE ARIZUNA/CHANDLER
STATION NAME IT OT 0900-1100 HOURS (L. S. T.) PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL

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(F)	0_	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	C.B./W.B.	Dry Bulb	Wet Bulb	Dew Pon
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96/ 95									;			0	.1	.0		• 1	• 2	13	13		
94/ 93												• 0	.0		• 2	• 2		26	26		
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90/ 89										.1	• 2			• 4	.4	.4			80		
88/ 87										. 1	. 3	. 8						130	131		
86/ 85							•0			.4		1.0	1.2	1.1	.8	• <u>4</u>	•0		175		
84/ 83							.0	.1	.3	.7	,					. 1	.0	, ,	213		
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70/ 69		-1	• 3							1.1							<del> </del>	209	209	34	
68/ 67		. 1								1.0		• 2					1	165	165	82	1
66/ 65		.0			.4				.5	.7			•0	•0				126	126	216	2
64/ 63		.1	.2	. 2	. 2		.4			. 3				""			ļ	84	84	279	2
62/ 01		•3	• 2				• 5		.2	. 2			<b></b>	<del>                                     </del>			<del> </del>	30	80	350	5
60/ 59		.2								. 1	1	1	Ì	]	] ]		]	58	58	408	6
58/ 57		• 1							• 1	•0				<b> </b>				42	42	436	9
56/ 55		.0			.0			.1	.0	•							1	21	21	370	13
54/ 53		-	. 2				•1		-				<u> </u>	1				16	16	284	17
52/ 51		.1	. 2	.2							-	i						16	16	196	18
50/ 49		.0			.1	.0	•0				1			1	1			8	8	132	21
48/ 47		.0		. 1		1		1				'		1				6	6	77	18
46/ 45					• 0						<u> </u>			<u> </u>			1	1	1	49	23
44/ 43				.0		1	1				1	]	Ì	]			)	1	1	24	22
42/ 41		1		1	l			i				<del> </del>	i							13	19
40/ 39															<u> </u>					8	
38/ 37							1	!						!						1	16
36/ 35			ĺ	İ					İ			ļ		1	;		1			i	16
34/ 33		1												I							15
32/ 31								l			1										14
Element (X)		ΣX²			Zχ		X	<b>"</b> x	$\top$	No. O	os.				Mean N	lo, of H	ours wit	h Tempera	ure		
Rel. Hum.												± 0	F	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Torul
Dry Bulb				i				1													
Wet Bulb															Γ -			Ţ <b></b> -			
Dew Point		·						1					-					1		$\neg$	

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER OCT 0900-1100 PAGE 2 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 23 1 D.B./W.B. Dry Bulb West Bulb Dew Point 30/ 29 120 28/ 27 26/ 25 63 24/ 23 25 22/ 21 20/ 19 12 10 18/ 17 11 9 13 4 12/ 11 3 10/ 8/ ï 6/ TUTAL 1.1 2.0 3.2 3.4 4.4 6.7 8.710.213.013.511.1 9.2 6.1 3.9 2.0 1.4 2990 2984 THIS FORM ARE OLSOLETE 2984 2984 REVISED MEVIOUS EDITIONS OF C 0.26-5 (OL A) C CFORM JUL 64 No. Obs. 2984 Element (X) Mean No. of Hours with Temperature USAFETAC 267 F 273 F 280 F 78.7 59.9 33.1 104742 4504446 35.116.659 Rel. Hum, ≤ 0 F ≤ 32 F ≥ 93 F 93 75.5 8.824 17267580 225686 2990 1.3 Dry Bulb 10080373 172605 57.8 5.682 2984 93 4.4 Wei Bulb 129419 43.410.170 2984 5921563 14.4 73 Dew Point The control of the co

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB AFIZONA/CHANDLER 42-74 OCT STATION NAME 1 PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL € (r) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Paw Point 104/103 1 1 • 0 102/101 • 1 **(**^ 33 33 100/ 99 • 0 .9 • 2 98/ 97 96/ 95 , 3 63 63 . 8 2.1 120 122 • Ü 94/ 93 1.3 180 182 . 1 . 8 2.7 92/ 91 2.1 2.2 1.6 255 257 90/ 89 . 3 .7 1.9 1.8 1.9 1.1 270 270 ( 88/ 87 2.3 315 315 2.1 . 6 1.4 1.7 2.0 • 3 86/ 85 . 3 1.3 2.1 1.7 290 290 2.1 84/ 83 82/ 81 258 258 , 1 1.0 1.4 2.0 1.9 1.1 . 1 .0 225 225 • 3 . 1 1.0 1.2 1.8 1.6 80/ 79 1.0 1.8 1.3 1.0 . 1 204 204 . 3 •5 78/ 77 • 9 154 154 . 6 . 9 76/ 75 .6 157 157 1.1 .6 • 3 74/ 73 . 3 . 4 , 5 122 122 10 . 6 • 3 . 2 721 71 . 5 87 87 30 . 2 71 94 70/ 69 71 . 1 • 4 · 2 . 1 179 8 68/ 67 .0 • 1 .1 49 49 66/ 65 37 37 318 18 .0 ŏ 33 33 64/ 63 .0 444 22 62/ 61 21 21 514 37 60/ 59 . 2 17 493 64 .1 17 . 1 . 1 .0 • 1 Ĺ 9 374 84 58/ 57 .0 • 1 . 1 .0 7 210 118 56/ 55 .0 • 0 54/ 53 115 176 .0 4 92 52/ 51 .0 • 1 168 70 50/ 49 210 ã 199 48/ 47 33 3 46/ 45 9 205 0.26-5 259 4 44/ 43 42/ 41 5 212 40/ 39 218 172 ΣX2 ZX Element (X) ¥ No. Obs. Mean No. of Hours with Temperature ≥ 80 F Rel. Hum. ± 0 F ≤ 32 F 267 F 273 F ≥ 93 F Total Dry Bulb Wet Bult-

DATA PRUCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 OCT STATION NAME HTHCM 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL
1-2 3-4 5-6 7-8 9-10 11-12 13-14 15 16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 ≥31 D.B./W.R. Dr, Bulb Wet Bulb Dew Poin (F) 36/ 35 34/ 33 208 146 32/ 31 121 107 30/ 29 28/ 27 26/ 25 85 46 24/ 23 40 29 22/ 21 20/ 19 18/ 17 12 16/ 15 8 14/ 13 12/ 11 <u>.5</u> 1.0 1.4 2.0 3.1 3.4 4.7 6.7 8.311.313.013.111.0 9.510.4 TOTAL 3003 2997 2997 2997 EDITIONS OF PREVIOUS 8 0-26-5 (OL C No. Obs. Mean No. of Hours with Temperature Element (X) USAFETAC 267 F 273 F 280 F 293 F 88.7 82.3 66.0 12. 2733580 80268 26.813.960 2997 ±0 F ≤ 32 F Total Rel. Hum. 250525 161526 21132203 93 83.4 8.794 60.6 5.037 12.5 Dry Bulb 3003 93 11070916 •3 Wer Bulb 2997 9.7

42.8 9.964

128240

2997

14.6

5734788

Dew Point

**2** DATA PROCESSING BRANCH USAF ETAC > PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFS ARIZONA/CHANDLER
STATION NAME 9CT MONTH € €.

The second secon

																		PAG	E 1		-1700
Temp.											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
104/103 102/101																	•0	1 7	7		
.00/ 99 98/ 97														•0	•1	•1 •5	1.0	37 65	38 65		
96/ 95 94/ 93												• 1	•1	.7		1.3		166 242	168 245		
92/ 91									<del>                                     </del>		•1	•2	1.0	1.8	2.1	2.3	2.3	286	286		
90/ 89 88/ 87								.0	.0	.0				2.0		1.6		281 258	281 258		<b> </b>
86/ 85 84/ 83							• 1						<del></del>			•7	•0	282 219	282 219		ļ
82/ 81		ļ				• 1	•]	2	.4	1.0	1.3	1.7	1.3	.9	, 4	.0		215	215		
80/ 79 78/ 77	<u>,,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,</u>				.0	. 1		• 1	. 7	.9	.7	.8	.7	.6	• 1			185 149	185 149		<u> </u>
76/ 75 74/ 73			.0	•0		.1 .3	• 2			I	1			1				109	109	1	
72/ 71 70/ 69		•0				.1	• 2	• 3	.1	.3	.4		1	•1				62 53	62 53		3
68/ 67		•0	• 1	• 1	.1	• 2	• 2	3	• 2	• 2	• 2			<u> </u>				47	47	178	1:
66/ 65		•1	• 2	• 0	• 1		• 1	• 2		•0			<del> </del>	<del> </del>			<del> </del>	22	22	452	12
62/ 61 50/ 59		•1	.0	•1	.0	•1	• ]			•1								21 20	21 20		
58/ 57 56/ 55		•1	.0	•0		• 1				• 1	<u> </u>	<del> </del>	<u> </u>	<u> </u>	ļ		<u> </u>	12	12		8.9
54/ 53 52/ 51				.0			• (	<u> </u>	.1			ļ	ļ 					5	5	98	142
50/ 49		.0	• C	• 1	•0	•0												6 3	6	46	179
48/ 47 46/ 45																				32	
44/ 43 42/ 41		1																		2 5	238
40/ 39									-	-				<del> </del>			-	<b> </b>		1	23
38/ 37 Element (X)		Ex2	l		ZX	<del></del>	X	-,		No. Ol	<u>.                                    </u>	L	L		Mean I	No. of H	ours wit	h Tempera	ture	3	203
Rel. Hum.												= 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F	≥ 93	f	Total
Dry Bulb Wet Bulb															<del> </del>					_	
Dew Point							<del></del>	┼──							<del> </del>			<del> </del> -	-		

**{**\* DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVI. "MAC WILLIAMS AFB ARIZUNA/CHANDLER **TON** YEARS STATION STATION NAME. MONTH 1500-1700 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 36/ 35 196 154 34/ 33 32/ 31 124 97 30/ 29 28/ 27 59 24/ 23 22/ 21 36 16 20/ 19 23 8 7 18/ 17 16/ 15 14/ 13 2 12/ 11 10/ 9 6/ 1 TOTAL 2901 .9 1.7 2.2 3.3 3.6 5 9 8.0 9.4 2.4 2.9 3.0 1 C.9 3.5 2907 2901 2901  $\mathbf{C}$ ã 0.26.5 (OL Ç. € FORM JUL 64 74163 245373 X 25.613.844 Mean No. of Hours with Temperature Element (X) No. Obs. USAFETAC 2451761 20940169 2901 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ≤ 0 F ± 32 F 93 89.0 83.8 69.7 16.8 84.4 8.873 2907 Dry Bulb 10765829 176149 2901 60.7 4.915 93 9.5 Wet Bulb 5478992 42.4 9.679 Dew Point 122908 2901 14.0 93 .6 

A CONTRACTOR REVIOUS EDITIONS OF THIS FOLM ARE OSCOULTE

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23104	WI	LLIA	MS A				HAND	LER		42-	74				ARS					OC	
STATION				Sī	ATION N	AME								16	AKS			PAGE	1	1800-	-2000
Temp.						WET	BUL 6 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8			13 - 14					23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.B.	Dry Bulb		Dew Point
96/ 95				-													•2	4	4		
94/ 93														.0			• 2	6	6		
92/ 91			į										•0			•4	•2	29	30	Í	
90/ 89		<u> </u>									•1	•2	.8			.3	- 52	61	62		
88/ 87	•									. 2		•6	1.0			- 3	• 1	107	110		
86/ 85								-	. 2		.7	1.5		.6		• 2	•0	146	195		
84/ 83 82/ 81						• 0		• 1	. 2		1.3		1.2	1.0		•1		195 220	221		
80/ 79					• 2	•0	• 1	• 5	<u>.6</u>			1.9		•6	• 1	••		253	253		
78/ 77			1	• 0	.0		.3	.5	1.1	1.7			.7	.4				234	234	İ	İ
76/ 75		.0	•0	-1			• 4		1.8				• 5	•0				266	266	1	1
74/ 73		]		. 2	. 2									.0				232	232	2	_ [
72/ 71			• 0	•1	• 2						•7		•0					179	179	12	1
70/ 69		. 1	. 2	. 2	. 5	.8	.9	.9	1.6	1.4	.8	•1	• 2					204	204	30	4
68/ 67		• 1	• 2	.3	• 5			.7	. 8		• 3	•1						141	141	71	7
66/ 65			• 2	• 2	• 3	•2		.7	1.0		•0	•0		Ĺ				92	92	170	18
64/ 63		1 (	٠ خ	• 3	• 6			• 5	• 2		• 1							79	79	232	26
62/61		• 1	. 2	• 2		. 3			.2			<u> </u>		<u> </u>				66	66	346	38
60/ 59		.3	• 1	• 1	3 ه				. 2			ļ						51	51	410	49
58/ 57		- 1	• 2	• 0	• 2			• 1		.0					ļ			27	27	414	86
56/ 55 54/ 53		• 1	• 1	.0					.1									21 12	21 12	317 245	101
54/ 53 52/ 51		• 1	.0	• 1	.0		•0			ļ				<del></del>				- 12 5	5	156	187
50/ 49		.c	. 1	. 2			• 1	•0										9	9	117	197
48/ 47		•1	• •		.0		•0		-	<del> </del>		<b></b>			<u></u>			2	2	54	219
46/ 45							••							1	l				-	30	239
44/ 43	···—									<u> </u>			-		<u> </u>					17	203
42/ 41														1						3	224
40/ 39							<u> </u>			Γ	i									ć	178
38/ 37							L			<b>.</b>											189
36/ 35							ļ					_								2	148
34/ 33		ļ								<u> </u>				<u> </u>	<u> </u>						106
32/ 31																					90
30/ 29		<u> </u>			<b>.</b>	L	<u> </u>	ليسا		ــــــــــــــــــــــــــــــــــــــ	L				<u> </u>		بببيا	<u> </u>			56
Element (X)		Σχ²			z x		<u> </u>			No. OL	5.							Temperat			
Rel. Hum. Dry Bulb												≤ 0	F :	≤ 32 F	≥ 67		73 F	≥ 80 F	₹ 93	<del></del>	Total
Wet Bulb								<u> </u>											<del> </del>		
Dew Point													-		<del> </del>			<del> </del>	<del> </del>		
Dea Loini			<u> </u>												ريسيط						

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB AR Y ZUNA/CHANDLER 42-74 OCT MONTH €. PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wer Bulb | Dew Point €., (F) 28/ 27 26/ 25 41 30 24/ 23 19 22/ 21 20/ 19 13 8 18/ 17 16/ 15 8 2 14/ 13 6 TOTAL 2641 .9 1.6 2.2 3.8 4.8 6.4 8.012.215.015.111.7 8.3 4.7 3.3 1.4 2641 2641 THIS FORM ARE OBSOLETE PREYIQUS EDITIONS OF â õ 0.26.5 93705 93705 3943711 3943711 X 33.515.312 75.5 8.222 58.1 3.329 44.2 9.262 No. Obs. Mean No. of Hours with Temperature Element (X) OSAFETAC 2641 ≥67 F | ≥73 F | ≥80 F | ≥93 F ≤ ) F = 32 F 93 200144 80.2 15295176 2650 32.5 Dry Bulb - 200 4.1 8986692 153414 93 2641 1 Wet Bulb 93 116675 Dew Point 5380983 2641 •0

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHAMOLER STATION NAME 23104 STATION 42-74

SAFETAC

## **PSYCHROMETRIC SUMMARY**

TOT

PAGE 1

2100-2300 HOURS (L. S. 1.)

Temp.						WET	BULB T	EMPERA	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12 1	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87													•1		i			5	2		
86/ 85			[								• 0	• 1	•0	_	. 1			7	8		
84/ 63									. 1	•0	• 2	. 4	•2	• 2	• 1			26	28		
82/ 81			]	ļ	į	-	• 1	. 1	. 1	.4	. 4	• 2	• 3	• 0	. 1			37	41		
80/ 79			,			•0	• 1	• 4	.4	1.0	1.2	•6	.4	.2	• 0			98	100		
78/ 77			1	-	. 1	• 2	. 3	. 8	• 6	1.6	1.7	- 6	• 3	•0	ļ			137	137		
76/ 75			. 2	• 1	• 3	• 5	.7	1.2	1.9	2.1	1.6	• 5	. 3	•0				212	212		
74/ 73		; !	. 2	. 2	. 3	. 4	. 6	1.2	2.0	2.4	• 6	• 6	. 1					193	193		
72/ 71			• 2	• 2	• 4	• 4	1.0	1.5	2.3	2.4	1.0	. 4	• 1		i			222	222	6	
70/ 69			. 4	. 4	. 4	. 7	1,1	2.2	2.9	1.7	. 8	• 2		.0				243	243	15	5
68/ 67		• 0	. 4	. 6	. 7	1.5	1.5	2.3	2.3	:.0	• 1		. 1					234	234	30	10
66/ 65	• (	i 1	. 3	. 5	. 9	. 7	1.6	1.4	1.8	. 7	• 1	• 1			ļ	j		183	183	66	14
64/ 63		• 1	.2	. 8	• 0		1.1	2.1	1.1	• 1	• 1			—— <del> </del>				159	159	99	27
62/ 61	• 0			. 9	. 6	1.0	1.4	1.6	• 6	• 0		ĺ		İ				157	157	139	31
60/ 59			. 4	-7	• 5	.7	1.0	7	.2	•0								102	102	245	47
58/ 57		• 2	. 5	• 4	. 7	. 7	.4	. 4	.4	i					1			87	87	315	68
56/ 55		. 2	. 1	. 3	. 4	. 4	• 6	•2	• 2						1			58	58	330	79
54/ 53		. 1		اد .	- 2	. 4	. 2	.0	. 1					l	į			38	38	280	116
52/ 51		• 1		. 1	. 3		• 0	•0										24	24	239	132
50/ 49		.0		. 3	. 2		ŀ	j						i	į			16	16	214	153
48/ 47		.0	• 2	. 1	.0			.0										9	9	119	146
46/ 45		i .d	. 1:	!	- 1			J	į						Ì			6	6	68	194
44/ 43				.0		, 0												2	2	54	180
42/ 41		]	.0	j			ŀ							ĺ	1			1	1	20	193
40/ 39				i																10	178
38/ 37							j								į			[		2	168
36/ 35																					137
34/ 33,		;	i					j						İ	İ			i		2	117
32/ 31		1				1									T i				i		63
30/ 29		! :	1	İ				i				!				i		i			76
28/ 27		<del> </del>																			41
26/ 25		: '	1		1	!	!														28
24/ 23		1																			12
22/ 21		] }		İ			-		i						İ	i		¦ !			11
Element (X)		Σχ'			Σχ	T	X	· A	1	No. Ob	. 1				Mean N	o. of H	ours wit	h Temperat	ure		
Rel. Hum.				~				····		************		± 0 f		32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 F		Total
Dry Bulb							·		_ _							_ _		<del>                                     </del>			
Wer Bulb									1							_		1	1		
Dew Point													_					<del> </del>		_	

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** 23104 F)CT 42-74 WILLIAMS AFB AKIZUNA/CHANDLER STATION STATION HAME PAGE 2 2100-2300 TOTAL Dry Bulb Wet Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 25 27 - 28 29 - 30 = 31 20/ 19 10 18/ 17 ύ 15/ 15 14/ 13 5 ī 12/ 11 1 1.5 4.7 5.9 6.6 8.711.716.216.313.4 7.9 3.7 2.0 TUTAL 2253 2262 2253 2253 ZH. €. ã õ 0.26.5 FORM PUL 04 No. Obs. Element (X) ΣXż Mean No. of Hours with Temperature USAFETAC 97862 ≤ 32 F 4895696 ≥67 F ≥ 73 F ≥ 80 F > 93 F 43.416.923 2253 68.4 7.545 55.1 5.736 93 Dry Bulb 10721912 154796 2262 58.4 29.6 6903071 4470007 93 124039 2253 Wet Bulb 2.1 43.5 9.547 98023 2253 19.6 Dew Point The state of the s

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DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 42-60,63-64,71,73 NCV STATION NAME €. PAGE 1 0000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point **(F)** 74/ 73 2 72/ 71 70/ 69 2 2 68/ 67 66/ 65 13 15 • 1 64/ 63 14 34 .6 89 89 62/ 61 1.4 . 1 • 1 60/ 59 125 125 58/ 57 . 5 1.1 1.9 1.0 1.5 • 6 160 160 15 6 • 3 • 1 1.0 1.4 2.7 1.9 191 9 55/ 55 191 36 1.4 1.0 54/ 53 1.1 2.4 2.5 1.3 194 194 66 16 . 6 52/ 51 1.0 1.5 1.5 2.0 2.2 1.1 183 78 33 183 55 .9 1.9 2.1 2.5 2.3 224 130 50/ 49 224 .5 48/ 47 2.0 1.4 1.8 1.6 1.2 173 173 217 59 46/ 45 1.4 1.1 1.7 1.2 1.4 1.4 1.2 1.2 159 30 1.9 159 265 44/ 43 129 129 265 92 1.1 42/ 41 40/ 39 138 71 71 216 1.3 . 0 1.0 52 62 179 120 38/ 37 .4 1.1 45 149 132 36/ 35 34/ 33 135 22 22 184 33 66 147 32/ 31 159 36 30/ 29 14 117 28/ 27 26/ 25 ( 8 82 79 24/ 23 57 C 82 22/ 21 40 18/ 17 57 2 16/ 15 44 0.26.5 14/ 13 12/ 11 21 20 C 10/ 9 11 8/ 7 13 Element (X) Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F Rel. Hum. ≤ 0 F ≤ 32 F ≥ 93 F Total

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SAFETAC

Dry Bulb Wet Bulh Dew Point

DATA PRUCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFE ARIZONA/CHANDLER 42-69,63-64,71,73 0000-0200 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 6/ 20 5 41 4 2/ 1  $\frac{0}{-2}$ TOTAL 1.d 9.713.813.117.819.411.4 9.0 3.5 1889 1886 1886 1886 POEM (OL A) 0.26.5 X 54.220.592 Element (X) USAFETAC 6338783 102213 Rel. Hum. 1886 267 F 273 F 280 F 293 F = 0 F ≤ 32 F 51.1 6.752 43.3 5.926 33.3 10.626 90 5018036 3608755 96522 81739 1889 Dry Bulb Wet Bulb 1886 2.8 90 62883 1886 90 2309469 38.7 Dew Point 

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74 STATION YEARS STATION NAME WET BULB TEMPERATURE DEPRESSION (F) Temp. D.B./W.B. Dry Bulb 1 - 1 Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 | 28 | 29 - 30 | 23 | 70/ 69 .0 68/ 67 66/ 65 . 1 11 •0 64/ 63 37 62/ 61 60/ 59 74 58/ 57 115 1.1 1.3 • 0 56/ 55 54/ 53 1.1 1.6 2.1 176 1.0 1.3 203 2.2 2.1 1.3 . 1 . 0 1.1 52/ 51 251 1.8 50/ 49 1.2 1.6 2.9 1.4 2.8 48/ 47 2.2 233 1.8 40/ 45 2.2 1.8 2.1 1.6 516 44/ 43 1.2 • 8 2.0 154 1.7 1.0 .9 1.5 42/ 41 1.4 1.1 138 40/ 39 1.4 1.0 . 0 116 38/ 37 .6 77 1.2 36/ 35 1.0 • 0 34/ 33 26 32/ 31 9 30/ 29 28/ 17 26/ 25 24/ 23 22/ 21 20/ 19 18/ 17 16/ 15 ₹ 13 1.47 0.26.5 (OL 10/ 9 8/ 5 61 3 4/ Element (X) Σχ' No. Obs. Rel. Hum. ≤ 32 F ≥ 73 F

### **PSYCHROMETRIC SUMMARY**

NUN MONTH 0300-0500 PAGE 1 TOTAL TOTAL

11 18 37 74 115 13 6 176 17 15 203 64 38 251 60 240 240 107 44 156 233 60 216 262 71 154 94 301 138 268 115 116 254 162 221 140 65 142 185 135 26 180 S 86 193 44 150 15 105 126 97 83 54 64 64 32 30 12 4 8 5 Mean No. of Hours with Temperature ≥80 F ≥93 F Total Dr. Bulb Wet Bulb

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(% % % USAFETAC

Dew Point

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHA"OLER
STATION NAME NUV HTHOM 23104 STATION 42-74 YEARS PAGE 2 0300-0500 HOURS (L. S. T.) Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 2/ 1 -6/ -7 -8/ -9 TOTAL. 2.112.916.015.220.416.110.5 5.0 1.4 2165 2162 2162 2162 FORM ARE Ì EDITIONS OF ã 0.26-5 (OLA Mean No. of Hours with Temperature z<sub>X</sub> 123450 Σ °x 57.120.424 No. Obs. Element (X) Zx2 SAFFTAC 7950444 ≥ 93 F 2162 ≥ 73 F ≥ 80 F ≤ 0 F ≤ 32 F ≥ 67 F 48.6 6.821 41.7 6.117 32.510.291 5211715 90 105189 2165 Dry Bulb 3842560 90182 0.3 257 2162 Wet Bulb 2513499 2162 70281 Dew Point 43.1

( 23)

USAFETAC

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

YEARS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

PAGE 1

A SE TOPOLOGICA CONTRACTOR OF THE SECOND CONTR

MONTH
0600-0800
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) D.B./W.B. Dry Bulb Wet Bulh Dew Point 1 · 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 ≥ 31 74/ 73 70/ 69 3 68/ 67 • 0 66/ 65 14 14 .0 64/ 03 • 1 29 301 • 0 66 66 2 59 607 . 1 .0 79 80 58/ 57 128 129 55 56/ 171 32 17 171 1.0 54/ 53 • 6 250 250 62 27 52/ 51 1.0 2.0 274 274 91 39 1.7 3.1 291 1.0 2.1 290 117 50 50/ 49 2.3 48/ 47 1.8 282 282 189 56 .1 1.4 2.4 2.1 2.0 1.5 257 83 46/ 45 282 282 1.9 89 1.1 1.6 1.5 208 347 43 44/ 1.3 208 42/ 41 1.3 1.6 184 184 384 144 39 . 9 304 192 40/ 1.4 1.4 1.3 161 161 189 38/ 37 121 261 121 . 6 36/ 35 70 236 222 . 3 1.1 . 2 219 34/ 33 48 48 161 75 134 231 32/ 31 15 30/ 29 6 51 210 28/ 27 25 150 1 ī 175 26/ 25 23 3 122 24/ 22/ 21 89 80 20/ 19 98 18/ 1,7 56 16/ 15 44 14/ 13 12/ 37 11 9 18 10/ 7 8/ 15 9 6/ Element (X) Σχ' No. Obs. Mean No. of Hours with Temperature ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. ± 0 F | ≤ 32 F Total Dry Bulb Wet Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER VUK 42-74 YEARS PAGE 2 0600-0800 HOURS (L. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 21 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 4/ 3 4 2/ 0/-11 -8/ -9 -10/-11 1 2688 TOTAL 1. 314. 016. 316. 118. 615. 411. 3 4. 9 1. 6 .0 2692 2688 2588 THIS FORM ARE REVISED PREVIOUS EDITIONS OF ৰ 9 6.26.5 Element (X) Σχ² ZX X No. Obs. Mean No. of Hours with Temperature 153651 9884157 2688 ≥67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Rel. Hum. ± 0 F ≾ 32 F Total 129581 111013 90 6373981 4688591 2692 Dry Bulb . 8 .0 90 Wet Bulb 2688 7.4

57.220.244 48.1 7.123 41.3 6.216 32.110.139 3049561 86341 2688 90 Dew Point 45.0 . 1

GATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

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PAGE 1

0900-1100 HOURS (L. S. T.)

Temp.										ATURE									TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.L.	Dry Bulb	Wet Bulb	Dew Poin
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80/ 79					<u> </u>							.0	. 2	3	.4	·			26	26		
78/ 77							- 1			, 1	• 2			• 5	. 1		•0		55		-	1
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74/ 73	4						i		• 1	.6	• 6	• 8	• 9	•4	• 1	•0	Ī		100	100		
72/ 71							• 1	<b>.</b> 2	• 2	. 7	1.4	1.9	• 9	• 0				i	151	151		
70/ 69	7					• 1	• 1	.3	. 8	.9	1.3	1.3	• 4	• 1	.0		ļ	1	152	153		1
63/ 67	' i	. [			.0	. 2	3	• 6	1.0	1.8	1.8	1.4	. 2	• 1		ĺ	I		210	211	_	_
66/ 65		i		• 0		- 3	٥.	1.3	2.1	1.6	1.9	.6	• 2				1		250	250		
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62/ 61				. 4	. 4	• 7	1.4		1.6	1.8	.9	• 2			j	1	1		257	258	20	
60/ 59	) j	i i	• <b>u</b>	. 4	.5	1.1	1.9	1.6	1.8	1.4	.6	.2			}		ļ		267	267	52	
58/ 57	7		. 2	• 2	1.0	1.5	1.8	1.9	1.0	1.2	. 1							1	253	253	107	12
56/ 55	<b>5</b>		. 1	• 5	1.0	1.4	1.4	1.0		.7	.1	ļ			1	1	1	]	203	203	217	30
54/ 53	1	. 1	• 4	.7	1.2		1.3		. 7	• 3	• ()		ii				i	l	198	199	290	42
52/ 51		•d	. 3	• 6	1.1	1.0	. 8	. 7		٠,0		1	i		l			]	139	139	417	32
50/ 49	7		. 1	. 7	. 9	• 8	. 3		3			i	i 1					<b></b>	97	97	429	65
48/ 47			. 3	, 6			• 2	• 2	• 0			Ì	1 1		ĺ			ĺ	62	62	396	133
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26/ 25					<del></del>										<del> </del>	†·	<del> </del>	<del> </del>	<del> </del> -	<del>  -  </del>		138
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22/ 21					i							<del> </del>	<del>  </del>		<del> </del>	<del>                                     </del>	<del> </del>	<del> </del> -	<del>                                     </del>			82
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Element (X)			Σχ'			žχ		₹	₹ <sub>X</sub>	<b></b>	No. O	· ·	<u></u>			Hean	No. of H	ours wit	h Tempera	ture		
Rel. Hum.	-						$\neg   \neg$					$\neg \neg$	± 0 1		≤ 32 F	≥ 67	F	73 ř	× 80 F	≥ 93 F	T	Total
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Wer Bulb	1				l		-					i		$\dashv$		1	_		<del></del>			
Dew Point	+-				<u> </u>									_		<del>                                     </del>			<u>'</u>			
														<del></del>								

0.26-5 (OL A) REVISE MEYIOUS EDITIONS OF THIS FORM ARE OLSCIETE

SAFETAC FORM 0.2

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER MUA 42-74 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11-12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 77.28 29.30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 18/ 17 16/ 15 46 30 19 14/ 13 30 10/ 11 8/ 4 6/ 5 8 4 2 0/ -1 -2/-3-8/ -9 1 -10/-11 TOTAL 2855 . 2 2.1 5.3 7.8 9.511.611.912.812.810.2 8.0 4.3 2.0 1.1 2859 2855 2855 FORM ARE Ę PREVIOUS EDITIONS OF ₹ ಠ 0.26.5 FORM JUL 64 5805268 Žχ No. Obs. Mean No. of Hours with Temperature Element (λ) ÚŠAFETAC 41.018.844 116964 2855 ≥ 67 F ≥ 73 F ≥ 80 F Rel. Hum. 1 32 F 61.4 8.321 48.8 5.287 Dry Bulb 10979689 175571 28" 24.7 90 8.5 90 6865239 139185 Wet Bulb 3750199 99593 34.9 9.834 34.7 Dew Point 90

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74

STATION STATION NAME

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp.

WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
92/ 91			Ì			]								i			•1	3	3		
90/ 89		. 1	Ì							( )	1	·		.0	• 0	. 2	•1	13	13		
88/ 87														• 1	• 2	. 4	• 2	26	26		
867 85	Ì						)			į }	.0	• 0	•3	.3	.0	. 6	.1	54	54	į	
84/ 83										.0	• 0	• 2	• 6		1.4	. 1	• ()	88	88		
82/81	į		]		1	i				1 1	. 1	• 7	1.1	1.8	• 9	• 1	.1	138	138	į	
80/ 79					1				.1	. 1	. 8	1.2		1.9	.4			190	190		
78/ 77		i	1		İ				.1			2.1	2.5	1.0	• 2.	. 1	}	209	209	ĺ	
76/ 75								. 3	.6	1.0	2.1	2.0		.6	• 1			242	242		
74/ 73	į	1	1		1	.0		. 3	. 8	2.1	2.2	2.2	1.3	.3	• ()			273	274		
72/ 71					I	• 2	• 5	. 8	1.1	1.7	1.8		.6					250	252		
70/ 69	Ì	, }			.1	.3	. 5		1.9			1.5	• 2	]	)		Ì	262	262	ļ	
68/ 07					• 1		.9	1.5	1.4			• 5		1				218	218		
66/ 65		i (	. 0	. 2					1.2			• 5		l .			ļ	204	204	2	
64/ 63			.0					1.4	1.6		• 6	•1		1				190	190	14	
62/61		•0	. 1	. 2	. 5	.6		1.0	.8	. 3	.3	• 0		l			!	139	139	63	
60/ 59		• 1	. 1	• 2	.5			1.1	.7	.3	• 1			1				130	130	191	
58/ 57		. 1	. î	3		.3			.1	. 1				1			1	86	86	295	10
56/ 55		• 1	٠2	. 3	• 3		.4	. 5	.1									68	68	530	2.4
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52/ 51	• 0	•2	• 2	• 2	. 3		•1		•0									30	30	372	47
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36/ 35		1	1		i	}	}		1								1	1			229
34/ 33						<u> </u>			<u> </u>					<u> </u>			i	<u> </u>			239
32/ 31		i T			(																219
30/ 29					<u> </u>		<u> </u>														209
28/ 27		1 1	-		1		1			1				į			1	1	1	1	154
26/ 25							<u> </u>							<u> </u>							163
Element (X)		Σχ²			Σχ		χ	<b>"</b> *		No. Ob	s. T				Mean I	to. of H	ours wit	h Tempera	ture		
Rel. Hum.		<u></u>				_						: 0	F_	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 F		Total
Dry Bulb						_							]_			_ _		<u> </u>			
Wet Bulb						- 1		l	1		į		l		l	- i		1	1		
Dew Point															<del></del>			·			

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( 0.26-5 (OL A) THE RESERVE TO SERVE ASSESSED.

FORM XII 64

DATA	PROCESS	ING	BRANCH
USAF	ETAC		
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## **PSYCHROMETRIC SUMMARY**

23104 STATION	W	LLIA	MS A	FB A	R 1 Z Q	MA/C	HAND	LER		42-	74		·	YS	ARS		·			NI MOI	JV 1TH
																		PAG	i: 2	HOURS (	-140
Temp.									ATURE									TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	
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86358 202785 151289 99324 30.015.996 70.5 8.340 52.6 4.638 34.5 9.960 Element (X) No. Obs. Mean No. of Hours with Temperature 3329400 14488431 8022991 3715404 2875 2878 2875 2875 267 F 273 F 280 F 293 F 61.6 38.7 13.2 ≤ 32 F 10 F Total Rel. Hum. 90 Dry Bulb 90 Wet Bulb 2876 90 36.6

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** 2 AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER 42-74 ипи STATION NAME PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 3 3 .0 .0 •0 90/ 89 12 12 88/ 87 26 • 5 26 .0 . 1 • 5 58 86/ 85 . 7 •6 58 120 120 84/ 83 1.0 •5 1.3 1.1 82/ 81 • 3 149 1.8 1.2 •0 149 80/ 79 . 8 • 1 210 210 1.2 2.2 2.2 • 2 • છ 78/ 77 76/ 75 2.8 223 224 1.1 2.4 2.2 1.6 • 1 247 247 .9 1.9 74/ 73 2.2 2.0 245 246 72/ 71 . 8 1.8 1.8 284 285 70/ 69 1.5 1.8 . 3 217 . 2 . 8 1.7 217 1.0 199 1.3 1.2 68/ 67 199 66/ 65 . 5 199 199 138 21 64/ 63 138 1.4 125 125 62/ 61 . 6 • 3 66 114 60/ 59 197 2 114 1.3 • 0 . 4 58/ 57 82 82 330 11 •0 56/ 55 45 45 55U 21 . 2 54/ 53 435 41 31 41 52/ 51 .0 20 20 363 45 • 3 50/ 49 • Ol 12 344 82 12 49/ 47 <del>197</del> 82 6 6 151 46/ 45 135 • 0 1 44/ 43 • Ī 6 6 157 37 210 42/ 41 . 1 40/ 39 10 231 257 38/ 37 248 36/ 35 34/ 33 178 199 32/ 31 30/ 29 203 156 28/ 27 26/ 25 141 Σχi No. Obs. Mean No. of Hours with Temperature Element (X) ¥ Rel. Hum. ≥67 F | ≥ 73 F | ≥ 80 F 1 0 F ≤ 32 F € 93 F

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Dry Bulb Wet Bulb Dew Point ( DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZONA/CHANDLER ۷ü۷ 42-74 MONTH 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 24/ 23 22/ 21 97 94 20/ 19 53 18/ 17 36 15 16/ 31 14/ 13 14 12/ 11 23 10/ 9 i2 3/ 13 10 2 2/ 4 0/ -1 3 -2/ -3 -4/ -5 THIS FORM ARE DESCUETE ī 0 1.2 1.4 1.4 2.0 3.9 5.5 9.610.812.513.312.711.0 7.6 4.6 2.0 TOTAL 2784 2787 2784 2784 ( REVISED (1 ( ) S (OL A) 0.26.5 x 29.315.593 71.2 8.349 No. Obs. Element (X) ΣX2 Mean No. of Hours with Temperature 81523 198482 2784 2787 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 3063913 Rel. Hum. ≤ 32 F 64.5 14327530 41.8 15.6 90 Diy Bulb 53.0 4.612 34.7 9.750 90 7866217 147427 2784 Wet Bulb Dew Point 3608104 96480 2784 35.3 90 - 2

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 23104 42-74 NUV 1800-2000 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 84/ 83 .0 1 1 82/ 81 80/ 7 79 • 1 - 2 78/ 77 .0 42 76/ 75 • 6 42 74/ 75 •9 • 0 75 731 • 9 72/ 71 .4 1.2 101 101 .0 • 6 • 2 1.8 1.2 170 70/ 69 170 . 6 • () • 8 1.5 68/ 67 2.1 2.4 218 218 . 6 1.7 66/ 65 249 2.3 .7 249 . 6 • 0 . 9 1.3 64/ 63 1.9 2.6 235 235 31 62/ 61 1.5 2.4 2.3 1.7 . 2 257 257 247 2.1 36 247 10 60/ 59 • 0 1.9 1.7 1.3 58/ 57 2.1 1.5 1.8 216 216 10 175 26 . 9 208 208 56/ 55 1.4 1.5 . 6 159 . 8 . 3 332 23 54/ 53 1.4 159 .8 121 52/ 51 .6 121 370 52 . 6 . 7 • i 365 83 50/ 49 86 85 48/ 47 .2 52 52 354 104 . 2 . 4 , 2 23 23 260 167 46/ 45 44/ 43 13 13 193 170 42/ 41 40/ 39 . 1 3 3 157 188 89 228 37 240 38/ 37 211 36/ 35 33 4 161 34/ 160 32/ 31 30/ 29 131 28/ 27 114 102 26/ 25 95 24/ 23 75 22/ 21 20/ 19 40 48 18/ 17 Mean No. of Hours with Temperature Element (X) Rel. Hum. 20F ± 32 F 267 F 273 F 280 F 293 F Total Dry Bulb Wet Bulb Dew Point 

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DATA PROCESSING BRANCH USAF LTAC AIR NEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION NAME V(JI' 1800-2000 (OURS (L. S. T.) PAGE 2

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB ARIZONA/CHANDLER 42-74

NULL

PAGE 1

2100-2300 HOURS (L. S. T.)

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	D.8./W.B.		Wet Bulb	Dew Point
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58/ 57,		. 3	رِيا ه			2.4	2.2	1.5	1.3	• 3	. 1				i			237	237	37	Ó
56/ 55		• 3	. 7		2.7	2.7	1.9		.7									230	230		
54/ 53	• 1	. 8	, 9	1.6	2.0	2.2	1.7	.8			_					_ !		216		101	34
52/ 51	• \	. 8		1.7	1.5	2.1			. 2							i		211	211	176	40
50/ 49	• 0	• 8	1.3	1.8	1.4	2.0	1.5	.6				1			į			201	201	234	66
48/ 47	. 2	• 8	1.1	1.5	1.6	1.3	1.0	• 2	1			1						161	161	280	77
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Rel. Hum.									_			± 0 F	F   1	= 32 F	€ 67 F		73 F	> 80 F	≥ 93	F	Total
Dry Bulb						7		1										<u> </u>			
Wer Bulb														$\neg \neg$	*********	1		1	<del></del>	_	
Dew Point													— <del> </del> —			7-		<del> </del>	T		

FORM 0.26-5 (OL A)

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA: CHANDLER
STATION NAME NUV 42-74 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 8/ 9 6/ 3 11 41 2 0/ -1 -6/ -7 TOTAL .7 5.8 9.711.816.219.116.110.2 7.0 2.1 1.0 2113 2116 2113 2113 3 EDITIONS OF 3 હ 0.26.5 Element (X) llo. Obs. Mean No. of Hours with Temperature ( V 6084783 105793 Rel. Hum. 2113 267 F 273 F 280 F ± 0 F ± 32 F ≥ 93 F 54.5 6.706 45.4 5.671 34.410.531 2.3 6373123 115257 90 2116 Dry Bulb 4423399 95933 2113 •9 90 Wet Bulb 90 2735016 72692 2113 35.3 Dew Point 

DATA PROCESSING BRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23164 WILLIAMS AFE ARIZONA/CHANDLER 42-60,63-64,71 DEC STATION NAME €, PAGE 1 0000-0200 WET BULB TEMPERATURE DEPREJSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 (F) 56/ 65 . 1 64/ 63 62/ 61 • 1 60/ 59 16 16 58/ 57 40 40 56/ 55 64 54/ 53 . 8 . 2 101 101 16 32/ 51 1.4 147 147 53 20 .9 1.3 1.8 1.6 1.6 2.5 50/ -9 1.1 2.3 1.2 70 . 2 179 179 32 48/ 47 90 1.1 1.6 2,3 203 41 203 46/ 45 .2 2.0 2.0 2.5 2.5 2.2 232 232 .00 67 1.9 2.0 2.8 1.9 2.0 2.4 2.7 1.8 1.8 3.0 3.0 1.7 44/ 45 167 220 220 71 4:/ 41 95 208 208 216 40/ 39 2001 275 200 276 1.9 38/ 37 2.0 1.3 139 139 105 36/ 35 34/ 33 .0 1.3 1.1 1.2 85 35 224 149 • 4 56 56 192 125 . 6 32/,31 30/ 29 30 118 174 50 172 11 11 28/ 27 26/ 25 26 107 153 24/ 23 22/ 21 111 103 20/ 19 52 72 13/ 17 54 16/ 35 13 40 ব 107 19 5 8/ 18 61 8 ċ 3 Elem. nt (X) Mean No. of Hours with Temperature SAFETAC Rel. Hum. ± 0 F f 32 F 267 F | 273 F | 280 F | 293 F Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** 2 AIR WEATHER SERVICE/MAC 23104 STATION WILLIAMS AFB ARIZUNA/CHANDLER 42-60,63-64,71 D&C 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B./W.B. Dry Bulb Wer Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 w Point TOTAL 1952 1.617.019.720.419.114.1 5.0 2.0 1952 1952 1952 174 172 Ę 107 153 0-26-5 (OL A) 18 8 5 ZX No. Obs. Mean No. of Hours with T mperature Element (X) 7875415 4000725 1952 117609 60.320.023 ≥ 57 F = 73 F ≥ 80 F Rel. Hum. ≤ 0 F ≤ 32 F ≥ 93 F Total 93 1452 Dry Bulb 87465 44.8 6.467 2.2 39.0 6.025 1952 93 3042229 76159 12.5 Wet Bulb 30.510.082 1952 2016584 59576 93 53.7

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Dew Point

DATA PRUCESSING BRAHCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANDLER DEC 42-74 STATION 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 68/ 67 66/ 65 62/ 61 60/ 59 • 1 • 0 8 8 58/ 57 231 . 0 56/ 55 • 1 . 1 54/ 53 78 10 .1 52/ 51 • 0 100 108 23 140 50/ 49 146 48/ 47 38 2.0 190 190 46/ 45 .1 1.7 1.5 1.9 2.8 95 217 217 60 .1 2.4 2.2 2.2 2.5 134 44/ 43 1.2 239 68 2391 42/ 41 3.2 3.4 1.8 1.0 248 248 205 80 40/ 37 2.3 3.5 2.8 1.4 232 232 225 117 .1 2.4 2.8 3.0 38/ 37 220 220 304 101 1.9 1.7 36/ 35 2.3 1.1 161 161 301 158 34/ 33 1 1.9 1.5, 1.0 109 109 230 167 .8 1.3 196 32/ 31 72 72 193 30/ 29 • 1 41 41 142 187 287 27 12 159 12 182 30 24/ 2.3 . 1 15 124 22/ 21 120 82 20/ 19 18/ 79 50 16/ 41 12/ 34 11 õ 10/ 9 26 8/ 7 26 6/ 4/ 6 102M No. Obs. | Mean No. of Hours with Temperature | 267 F | ≥ 73 F | ≥ 80 F | ≥ 93 F Element (X) Rel. Hum. ± 0 F ≤ 32 F Dry Bulb

Wet Bulb Dew Point DATA PRUCESSING BRANCH USAF ETAC AIR WLATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

STATION STATION NAME

PAGE 2 0300-0500 HOURS (L.S. T.)

Temp.						WET	BULB	remper	ATURE	DEP	RESSIO	N (F)							TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 -	18 19 -	20 21	- 22	23 - 24	25 - 26	27 - 28	29 - 3	0 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
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TOTAL	2.4	121.3	23.	322.	217.4	8.8	3.3	1.0	4	•	0					<u> </u>		<u> </u>		2176		217
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Rel. Hum.		- <u>∧</u>	7903	3	1300	751	63.4	19.4	25		176	-	≤ 0	e	≤ 32 F			≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			6133		921	556	42.7	6.7	44		176				5.6		.0	- , ,	<del> </del>		·	
Wet Bulb		31	6426	<del>1 -</del>	81	339	37.6	5.2	99		176	- -			20.0	<del> </del>	<del>- '</del>		<del></del>			
Dew Point			6211		65		29.9	100			176				56.4				<del></del>			

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DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

STATION STATION NAME 42-74

YEARS

MONTH

PAGE 1 0600-0800

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	ع - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63				. 1	•0		1											4	4		
62/ 61				. 1			• 0			<u> </u>							l	3	3	i	
60/ 59		• 0	.0	• 0	. 1	• 2	1		.0	i ———								11	11		
58/ 57		• 1	. 1	. 2	. 3	• 1											İ	28	28	4	
56/ 55	1	• 4	. 3	. l	. 4	• 1	• 1	•0	.0	1								38	38	9	1
54/ 53	• 4	.6	. 3			5	. 2		<u> </u>					<u> </u>			İ	_7c	70	18	18
52/ 51	. 3	ن .		.6	• 4	• 9			• 0									106	106	42	15
50/ 49	. 2	1.3		. 9		1.2				<u> </u>							<u> </u>	159	159	68	43
43/ 47	• 4	1. • 0		1.2		1.0	• 4		İ								į.	176	176	86	46
46/ 45		1.3		2.0	1.9	1.1	.5		Ĺ						Į			239	240	91	61
44/ 43	• 1	1.9		1.7	1.7	• 9	• 3											236	236	136	56
42/ 41	• 4	1.9				1.0								<u> </u>				301	301	202	99
40/ 39	• 4	2.2				• 5	•0			[								314	314	265	124
38/ 37	• 1	2.8				• 0												300	300	319	124
36/ 35	• 2	2.3								1								248	248	381	177
34/ 33		1.7				• 0				<u> </u>				<u></u>				173	173	319	206
32/ 31	• 3	1.7	1.5						1	ļ				ļ	ĺ			126	126	289	234
30/ 27	• 1	1.7					<u>i                                     </u>							L	<u> </u>			93	93	208	258
28/ 27	• 1	• 5		١	1 1			ļ	1	i				1			ĺ	34	34	135	210
26/ 25		٠, ٤			i			<u> </u>			L						ļ	22	22	65	246
24/ 23	-	• 0		4	:					1					,			2		26	165
22/ 21		.1			Ļ					ļ					<u> </u>		<u> </u>	3		15	157
20/ 19			• 0	Ĭ	]				1			j			i		i	1	1	8	111
18/ 17			<u> </u>	<b> </b>											<u> </u>	<u> </u>	<u> </u>				97
16/ 15	į		[	İ					ļ	ļ							1			1	65
14/ 13				J			<u> </u>		<b> </b>	<u> </u>	ļ				<u> </u>		ļ	ļ			50
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10/ 9				<u> </u>	·									<del>i</del>				L			33
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Element (X)		Σχ²		ļ	z <sub>X</sub>		X	<u> </u>	_	No. O	)\$·				<del></del>			h Tempera			
Rel. Hum.				<del> </del>		$-\!\!+\!\!\!-$		<u> </u>				± 0 1	<del>-</del>	≤ 32 F	≥ 67	F :	73 F	≥ 80 F	≥ 93 1		101
Dry Bulb					<del></del> -			<u> </u>							<del> </del>			<del> </del>			
Wet Bulb				<u> </u>				<del> </del>					_		<del> </del> -			<b></b>			
Dew Point				<u></u>											<u> </u>						

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIP WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZUNA/CHANULER
STATION NAME DEC 42-74 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 21 D.B./W.B. Dry Bulb Wet Bulb Dew Point TOTAL 2.923.228.521.713.5 7.5 2.4 2087 • 5 .1 2687 2687 0.26-5 (OL A) Element (X)  $\Sigma X^2$ ZX X No. Obs. Mean No. of Hours with Temperature 65.518.458 41.1 6.932 36.5 6.481 29.4 9.609 12436831 175921 2686 Rel. Hum. ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Total

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME 23104 DEC MONTH 42-74 0900-1100 HOURS (L. S. T.) PAGE 1 FORM 0.26-5 (OL A) USAFETAC

Temp.								TEMPER										TOTAL	<u> </u>	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20		23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
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76/ 75								<u> </u>	• ()		•0	.0		<u> </u>	!		<u> </u>	3	3		<u> </u>
74/ 73								1		.1	• 1	• 1						7	7		
72/ 71							• 0	1	•1	. 1	.0	• 1						10			
70/ 69	-					• 0	•0	.1			. 3	• 1	•0					26			
68/ 67						• i	.1	. 2	• 2	.5	.0	• l		L				35			<u>i                                     </u>
56/ 65					.0	• 1	• 3	.4	.6	.4	. 4	• 0						70	70		1
54/ 63				• 1	. l	. 3	• 6		1.1	.7	• 2							119		1	
52/ 61			• 0	• 1	.3	. 7	• 8	1.4	1.1	. 1	• 2	• 0						141	141		
0/ 59		i	. 2	. 2	• 5	• 9	1.6	1.6	.9	.5	• 0			l			Ĺ	193	193	5	<u> </u>
38/ 57		• 2	• 2	. 8	1.1	1.2	1.9	1.6	•9	. 3							ļ	237	237	11	
66/ 55	1	. 5	. 4	. 9	1.0	1.6	2.3	1.4	.4	. 1				l			Ĺ	255	255	<u></u>	
54/ 53	• 4	.6		1.2	1.7	2.1	1.5	1.2	• 1	•0								275	275		
2/ 51	. 1	.5		1.5	1.8						L	L			<u> </u>		l	300			
0/ 49	• 2	. 5	1.0	2.0	2.1	2.3		• 3										286			
8/ 47		• 2	1.4	1.7	2.0	1.3	1.1	• 1	<u> </u>					L				232	232		
6/ 45	•0	• 8	1.4	2.0	1.4	1.0	• 5	.2	]	]								216			
4/ 43	• U	.7	1.6	1.6	1.3	.6	. 2		ĺ					[				177		<u> </u>	
2/ 41	. 1	• 6	1.0	1.6	. 8	• 4	1	i										128	128		
0/ 39		. 4	1.1	. 9	. 5	.0	1	L	l	l	İ	L		<u> </u>				85	85	338	
18/ 37		• 2	1.0	• 4	• 2	• 1	l	T						i				56	56	234	1
6/ 35		. 3	.4	3	) 		]	<u> </u>	l	<u> </u>	<u> </u>	<u> </u>		<u> </u>	]j		<u> </u>	31	31	170	
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I. Hum.									_			± 0	F	2 32 F	≥ 67	F :	73 F	≥ 80 F	≥ 93	F	Total
y Bulb						_ _									L			<u></u>			
et Bulb															<u> </u>						
ew Point	1			1		i		1	1		- 1		1		}	1		1	1	1	_

DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME 42-74 DEC YEARS PAGE 2 0900-1100 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 | 3 · 4 | 5 · 6 | 7 · 8 | 9 - 10 | 11 · 12 | 13 · 14 | 15 · 16 | 17 · 18 | 19 · 20 | 21 · 22 | 23 · 24 | 25 · 26 | 27 · 28 | 29 · 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 10/ 18 8/ 13 5 61 Ø 2/ 1 5 ī -4/ -5 TOTAL .5 6.112.215.715.115.014.310.5 5.8 3.1 1.3 • 0 2915 2915 2915 2916 THIS FORM ARE ( C 3 0.26.5 (OL ₹ FORM TH 64 7 7, 50.219.376 52.0 7.802 43.2 5.736 32.1 9.413 Element (X) ZX No. Obs. Mean No. of Hours with Temperature 146244 8433130 2914 Rel. Hum. ± 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 8058593 151571 2915 93 Dry Bulb 2.6 93 5541473 2916 Wet Bulb 126013 Dew Point 3263034 93590 2915 93 48.0

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42~74 DEC € PAGE 1 1200-1400 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. ŧ D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 84/ 83 .0 1 1 82/ 80/ 79 17 ( 17 •0 • 1 78/ 77 • 0 38 75 53 76/ 53 . 2 • 0 . B • 3 . 3 74/ 73 1.1 118 118 72/ 71 • 3 132 . 6 1.7 132 1.3 • 0 . 4 •9 1.8 70/ 69 193 193 1.8 1.1 68/ 67 . 8 2.1 2.4 1.9 . 8 251 251 2.5 66/ 65 1.4 279 279 1.2 64/ 63 2.2 2.7 2.0 1.0 317 317 2.2 62/ 61 1.3 2.3 285 285 2.0 2.3 60/ 59 291 1.9 291 14 2 1.0 58/ 57 1.2 1.8 254 254 48 55 56/ 143 14 205 205 54/ 53 1.3 130 130 318 18 97 52/ 51 426 28 • 0 • 6 50/ 49 84 84 443 61 48/ 47 75 75 69 466 46/ 45 54 374 54 114 441 43 23 23 294 132. 42/ 41 173 10 10 121 40/ 39 111 178 38/ 37 197 υ8 36/ 35 22 242 276 34/ 11 € 32/ 31 243 30/ 29 237 ৰ 28/ 27 201 õ ſ 26/ 25 185 0.26.5 24/ 23 141 22/ 21 107 20/ 19 93 FORM JUL 64 17 75 18/ Element (X) Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 280 F 293 F Total Dry Bulb Wet Bulb

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DATA PROCESSING BRANCH **PSYCHROMETRIC SUMMARY** USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER 42-74 1200-1400 HOURS (L. S. Y.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 | 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | e 31 | D.B. W.B. Dry Bulb Wei Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) (F) 16/ 15 14/ 13 53 49 12/ 11 23 10/ 8/ 7 19 6/ 3 41 4  $\frac{2}{0} / \frac{1}{-1}$ 1  $\frac{-2/-3}{-4/-5}$ 2 -6/ -7 2918 .3 1.4 2.6 4.7 8.510.011.313.614.911.910.1 6.7 2.4 2919 2919 2919 C ð õ No. Obs. 36.217.392 Element (X) Mean No. of Hours with Temperature 2919 ≥ 47 F ≥ 73 F ≥ 80 F ≥ 93 F 4700276 105564 61.8 7.661 48.0 4.030 <u> 73</u> 11316771 180371 2919 25.7 7.4 Dry Bulb 2919 93 6784416 140018 Wet Bulb Dew Point 3273066 93444 32.0 9.809 • 2 46.9 93

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 WILLIAMS AFE ARIZONA/CHANDLER 42-74 STATION PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 2 3 4 5 5 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 231 2 84/ 83 2 82/81 80/ . l 27 78/ 77 42 109 76/ 75 . 8 1.3 109 133 71 1.9 175 721 . 2 175 1.1 . 6 • 1 <u>.</u>5 2.1 70/ 69 .5 1.1 1.3 1.8 2.5 255 255 68/ 67 . 1 • 1 2.1 1.5 2.5 278 278 66/ 63 • 4 2.0 1.0 1.2 2.3 2.3 .8 1.7 2.1 2.5 .6 286 286 64/ 63 1.7 271 271 62/ 61 1.9 16 601 59 1.2 260 260 1.5 •0 195 52 57 . 8 195 58/ 1.1 157 174 55 157 56/ 1.0 54/ 53 . 8 125 125 367 . 1 72 401 52/ 51 72 .6 •0 50/ 49 76 76 513 . 5 51 51 423 47 48 . 0 31 306 46/ 31 22 241 44/ • 1 .0 9 136 42/ 41 40/ 39 .0 98 38/ 37 49 36/ 35 13 34/ 33 32/ 31 30/ 29 28/ 27 ğ 26/ 25 24/ 23 0.26.5 24/ 22/ 21 20/ 19 18/ 17 Mean No. of Hours with Temperature Element (X)

1500-1700

13 10 48 47 82 101 130 118 181 189 214 252 212 243 193 178 145 113 97 67 Rel. Hum. ≤ 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F | ≥ 95 ° Dry Bulb Wer Bulb Dew Point

DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 23104 STATION 42-74 WILLIAMS AFB ARIZUNA/CHANDLER DEC YE IRS 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 16/ 15 48 14/ 13 32 31 12/ 11 10/ 27 7 16 8/ 6/ 4/ 3 5 21 0/ -1 <u>2</u>805 <u>TuT</u>AL 3 1.7 3.0 3.5 6.7 8.210.913.913.813.210.9 7.9 4.3 1.3 2305 2805 2805 THIS FORM (OL A) 0.26.5 Element (X) No. Obs. Mean No. of Hours with Temperature 35.017.790 4314295 98043 2805 Rel. Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ± 0 F ± 32 F Total 176982 63.1 7.770 48.6 4.709 32.1 9.780 93 11336018 2805 Dry Bulb 32.1 10.6 . 8 136341

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#### **PSYCHROMETRIC SUMMARY**

23104 WILLIAMS AFB ARIZONA/CHANOLER 42-74

STATION STATION NAME

PAGE 1 1800-2000 HOURS (L. S. T.)

WET BILL R TEMPERATURE DEPRESSION (E)

TOTAL

TOTAL

Temp.				_			BULB T							_				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71								• 1		• 2	• 1						1	9	9		
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32/ 31			1														I			11	219
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Element (X)		Σχ'			z x		X			No. Ob	8.				Mean !	No. of H	ours wit	h Temperat	ure		
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Dry Bulb											]		Ĺ.								
Wet Bulb																					
Law Point				l											L			1			

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DATA PROCESSING BRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZUNA/CHANDLER 23104 42-74 りとら YEARS STATION NAME 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 4 5 6 | 7 8 | 9 10 | 11 - 12 | 13 - 14 | 15 16 | 17 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 26 | 27 - 28 | 29 30 | (F) D.B./W.B. Dry Bully Wet Rull Dew Para 4/ 2/ .6 5.1 8.911.315.318.617.011.7 7.5 2.5 1.2 TOTAL 2402 2402 2402 2402 į THIS FORM ARE DISCUTTE 0.26.5 (OL A) FORM JUL 64 X \*\*\* 48.318.797 Element (X) ΣX No. Ots. Mean No. of Hours with Temperature SAFEYAC 116073 Rel. Hum. 6457375 2402 267 F | 273 F | 280 F | 293 F 2 0 F 1 32 F 7120193 129847 93 54.1 6.484 2402 Dry Bulb 2.4 4863841 107389 2402 •6 93 Wet Buib

44.7 5.109 33.2 9.458 79742 93 2862070 2402 43.0 Dew Point

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB ARIZONA/CHANDLER

### **PSYCHROMETRIC SUMMARY**

DEC 2100-2300 HOURS (L. S. T.) PAGE 1

C   C   C   C   C   C   C   C   C   C	Temp.											SSION (							TOTAL	L	TOTAL	
Sef   Sef	(F)	0	1 - 2	3 - 4	5 - 6	7 - 3	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Devr Point
64 / 63					Ţ				0										1	1		
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Sol   49			. 8		• 5	1.1	2.1															
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46/ 45		• 1	1.1	1.7																		32
42								1.1	1		ļ		[ 					ĺ	1	1 1		
42/ 41	46/ 45																		261			
40				,					1				İ					1				
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32/ 31								}				ļ	ļ									
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28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 32/ 19 39 12/ 114 39 16/ 15 16/ 15 11/ 13 11/ 14 18/ 17 19 19 19 19 19 19 19 19 19 19 19 19 19			•0		1								]	ì				1	1	0		
26/ 25				• 0				<del> </del> -			<del> </del> -	<del> </del>						<del> </del>	<u> </u>	<del>-</del>		
24/ 23				1				}	}		ļ		1					1	1			
22 / 21				<u> </u>							<del> </del>	<del> </del>	<u> </u>							<del> </del>		
20				\					\	ĺ	1	1	1	İ				1	1	1	'	
18 / 17				<del> </del>				<del> </del>	<del> </del>		<del> </del>			<b> </b> -				<del> </del>	<del> </del>	<del> </del>	<b> </b>	
16/ 15 14/ 13 12/ 11 10/ 9 8/ 7 6/ 5 2/ 1 Element (X)			1	\				i	}	i	1	1	1	1				1	l	1	ĺ '	
14/13 10/9 8/7 6/5 4/3 2/1 Element (X)			<del> </del>					<del> </del>	<del> </del>		<del> </del>		<del> </del> -					<del> </del>	<del> </del> -		<del></del>	
12/11 10/9 8/7 6/5 2/1 2/1 Element (X)			}	<b>\</b>				ŧ	1		}	1	<u>'</u>					İ	ł	}		39
10/9									<del> </del> -		<del> </del>		<del> </del>					<del> </del> -	<u>'</u>	-	<del></del>	
8 / 7			}	1						Ì		1					}		1	) ;	(	
6 / 5   6   9   9   9   9   9   9   9   9   9				<del> </del>	i —			<del> </del>	<del> </del>		<del> </del>	<b> </b>							<del>                                     </del>	i		
4					1				1												ĺ	. 1
2/ 1       Element (X)     ∑X     X     ✓x     No. Obs.     Mean No. of Hours with Temperature       Rel. Hum.     ≤ 0 F     ≤ 32 F     ≥ 57 F     ≥ 73 F     ≥ 80 F     ≥ 93 F     Total       Dry Bulb     Wor Bulb	4/ 3			<del>                                     </del>				<del>                                     </del>		<del>                                     </del>	<del> </del>	<del>                                     </del>	i~~							<del>                                     </del>		
Element (X)   Z X   X   X   X   X   X   X   X   X			]			·		1	1						İ		1		)		1	1 1
Rel. Hum.     ± 0 F     ± 32 F     ± 67 F     ≥ 73 F     ≥ 80 F     ≥ 93 F     Total       Dry Bulb     Wet Bulb			Σχ¹	<u> </u>		Σχ	<u> </u>	¥	·.	<del>'      </del>	No. O	s. 1			<u> </u>	Mean I	No. of H	ours wit	h Tempera	ture		
Ory Bulb Wet Bulb						-			<del></del>	<b>-</b> †-			± 0	F	32 F						F	Total
Wet Bulb														_					i i			
Dew Point					<u> </u>											<del>                                     </del>	_				$\neg$	
	Dew Point													$\neg \vdash$		<del></del>			1		$\neg$	

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DATA PRICESSING BRANCH

AIR WEATHER SERVICE/MAC

USAF ETAC

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G	0.26.5 (OL A)
C	FORM 0-2
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Wet Bulb

Dew Point

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65740

D.B./W.B. Dry Bulb Wet Bulb Dew Point 2090 TOTAL 2091 2090 2090 7487613 Element (X) Meca No. of Hours with Temperature 56.519.663 118157 2090 267 F 273 F 280 F 493 F Rel. Hum. ≤ 0 F Total ≤ 32 F 47.6 6.105 40.8 5.580 31.5 9.921 93 99558 Dry Bulb 4818126 2091 •0 3550439 85349 2090 93

2090

5.6

49.7

#### **PSYCHROMETRIC SUMMARY**

TOTAL

WILLIAMS AFB ARIZONA/CHANDLER DEC 42-74 YEARS STATION NAME MONTH

WET BULS TEMPERATURE DEPRESSION (F)

2100-2300 PAGE 2 HOURS (L. S. T.)

TOTAL

DATA PRUCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### MEANS AND STANDARD DEVIATIONS

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DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

STATION YEARS STATION NAME HRS (LST) FEB JUN DEC JAN MAR APR JUL. AUG SEP OCT ANNUAL NOV MEAN 68.1 51.8 84.1 81.9 76.4 64.9 46.9 60.2 76.4 51.1 44.8 63.1 43.7 00-02 S D 7.214 6.494 6.934 6.763 6.386 4.675 4.544 5.905 7.164 6.752 15,598 1888 1660 1863 1900 2076 2017 2078 2068 1974 1962 23327 MEAN 80.5 59.7 44.2 48.6 56.0 63.3 71.6 78.9 72.9 61.6 48.6 S D 6.495 6.798 7.291 6.487 6.783 6.534 4.445 4.287 7.139 6.831 6.744 03-05 6.012 15.143 TOTAL OBS 2252 2325 2174 1922 2159 2182 2308 2252 2176 2336 2225 2165 <u> 26476</u> MEAN 43.3 48.7 58.1 77.3 74.4 61.8 48.1 41.1 60.8 68.2 83.3 80.6 SD 7.158 7.238 7.049 8.051 8.095 7.413 4.962 6.902 8.014 7,123 6.932 16.949 06-08 5.083 TOTAL OBS 2397 2698 2704 2713 2819 2721 2786 2871 2709 2806 2692 2588 326(4 55.0 71.7 92.7 75.5 72.7 50.1 61.8 81.4 89.8 90.3 87.1 09-11 TOTAL OBS 8.789 6.719 16.981 7.667 8.024 8.324 7.853 5.348 5.436 6.756 8.824 8.321 7.802 2986 2866 2897 2889 2942 2893 2990 2859 2915 34721 2556 2884 3044 88.0 78.6 96.6 94.0 70.5 80.4 60.0 69.4 98.7 61.8 64.2 96.4 83.4 12-14 TOTAL OBS 7.783 8.110 9.013 2.199 8.149 6.840 5.504 5.457 6.793 8.794 8.340 7.661 15.955 2912 2879 2878 2896 2947 2895 3003 2878 34794 2572 2983 3932 2919 MEAN 62.2 71.4 80.4 90.2 99.0 101.2 98.3 95.6 71.2 82.3 66.4 84.4 63.1 15-17 50 9.232 8.016 8.535 9.287 7.950 6.702 5.840 5.603 6.988 8.873 8.349 7.770 16.201 TOTAL OB 2796 2492 2810 2894 2803 2846 2932 2792 2907 2787 2805 33691 2827 MEAN 74.4 90.8 93.7 61.4 54.1 53.8 59.1 65.2 84.4 88.4 75.5 75.6 93.6 S D 7.075 7.803 8.729 8.892 8.188 7.291 6.384 6.238 7.039 8.222 7.283 17.130 18-20 6.484 TOTAL OB 2662 2750 <u> 30725</u> 2527 2237 2538 2572 2676 2594 2601 2650 2516 2402 MEAN 65.8 89.0 46.9 50.8 83.2 85.5 81.0 68.1 S D 6.509 7.419 6.119 7.545 6.892 6.912 6.951 6.488 5.435 5.213 6.708 16.302 21-23 6.105 TOTAL OBS 2101 1822 2149 2188 2360 2376 2418 2258 2262 2091 26577 2436 MEAN 50.4 54.5 60.0 69.0 78.1 86.7 91.3 89.0 84.4 72.8 59.2 71.1 ALL HOURS 10.79011.45511.72912.19012.14111.678 9.015 8.84910.60811.92011.60910.707 S. D 18.313 TOTAL OBS <u> 19928| 17658| 20049| 20150| 21119| 20526| 20987| 21469| 20347| 20832| 19902| 19948</u> 242915

USAFETAC FORM 0-89-5 (OLI)

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#### MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

YEARS

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23104

STATION

WILLIAMS AFS ARIZUNA/CHANDLER

42-74

HRS (LST) JAN. FEB. JUN. APR JUL AUG 40.9 47.8 51.4 51.5 38.9 43.6 56.6 67.3 68.4 62.1 53.5 43.3 39.0 6.126 6.232 5.201 S D 4.645 4.615 5.354 4.658 4.355 5.590 5.775 5.926 6.023 11.588 00-02 2075 2059 1888 1648 1861 1900 2067 2017 1971 1953 1886 23277 37.1 38.9 41.5 45.3 48.8 54.2 66.3 6.505 6.461 5.422 5.051 4.856 5.783 5.211 49.6 67.5 60.5 51.6 41.7 S D 4.761 6.220 6.337 6.117 6.299 11.945 C3-05 1908 2158 2182 2315 2252 2303 2326 2243 35.9 38.1 41.4 46.2 51.4 6.832 6.554 5.636 5.587 5.216 57.3 67.5 68.1 51.4 41.3 50.0 61.0 S D 4.562 6.418 6.907 6.216 6.481 12.666 5.636 4.783 06-08 TOTAL OBS 2862 2703 2698 2704 2713 2810 2797 32548 2688 MEAN 42.2 44.8 48.2 52.6 57.1 62.3 70.1 70.3 66.0 57.8 48.8 43.2 55.5 S D 6.089 5.871 09-11 4.520 3.658 3.470 4.832 5.682 5.287 5.736 4.875 4.896 4.271 11.040 TOTAL OB 2893 2979 2940 2866 2888 2884 3035 2984 34679 71.3 MEAN 59.3 5.037 47.1 48.9 51.1 55.0 64.3 71.9 67.7 52.6 48.0 58.3 4.19 1 3.328 3.333 4.339 9.784 5.169 4.681 4.784 4.219 4.638 5.344 4.830 12-14 2878 2912 2894 2977 2879 2944 2997 34759 2566 3024 MEAN 47.9 64.9 49.7 51.6 55.5 59.8 71.5 71.9 60.7 53.0 58.7 67.6 48.6 S. D 4.049 3.124 3.315 5.152 5.098 4.632 4.720 4.002 4.915 15-17 4.191 4.612 4.709 9.528 TOTAL OB 2795 2485 2825 2810 2888 2803 2844 2926 2901 MEAN 70.6 66.0 49.1 44.5 47.0 49.5 53.7 58.1 63.5 70.8 58.1 44.7 56.7 S D 5.503 5.452 4.779 4.715 4.193 4.184 3.062 3.366 4.503 5.329 5.202 5.109 10.387 18-20 TOTAL OB 2594 2572 2667 2559 2744 2599 2541 2516 30684 2402 MEAN 46.0 59.8 68.8 69.2 63.4 55.1 45.4 40.8 3.718 3.967 5.187 5.736 5.671 5.580 40.9 50.2 54.3 43.2 53.7 5.967 5.868 4.339 4.755 21-23 4.845 4.664 11.159 TOTAL OB 2376 2415 2430 2257 2253 2090 26533 69.3 47.3 MEAN 60.7 70.0 47.0 51.1 55.3 64.5 54.5 42.1 44.3 56.4 42.7 ALL HOURS 6.058 7.175 5.157 5,888 4.376 4.213 5.843 6.735 6.999 7.100 7.312 6.330 11.514 TOTAL OBS 20043 20147 21054 20329 20769 19879 20526 20964 242557

USAFETAC FORM 0.89-5 (OLI)

STATION

#### MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

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23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

YEARS

HRS (LST) IAN FEB MAR APR MAY JUN JUL AUG. SEP OCT NOV DEC ANNUAL MEAN 33.8 33.3 30.5 31.7 32.7 33.1 33.7 38.8 57.4 61.0 52.2 43.3 40.5 S D 8.838 8.98210.175 10.122 9.956 9.688 9.564 8.040 9.658 9.26010.62610.082 14.222 00-02 TOTAL OBS 1888 1861 1900 2067 2017 2075 2058 1971 1952 1886 23275 MEAN 32.4 32.5 37.7 57.6 51.4 29.9 39.5 31.3 32.0 61.1 S D 10.18910.014 9.485 9.096 9.15810.418 9.809 8.13010.27710.10110.291 9.846 14.601 03-05 TOTAL OBS 2174 1908 2159 2182 2315 2252 2303 2326 2221 2243 2162 2176 26421 MEAN 29.4 30.4 31.8 32.5 34.1 40.1 58.3 61.2 51.5 41.4 29.4 39.6 S D 8.772 7.75710.39610.70910.139 10.16710.061 9.455 8.989 9.939 9.246 9.609 14.687 06-08 TOTAL OBS 2797 2698 2381 2704 2712 2810 2721 2785 2362 2703 2688 2687 32548 MEAN 32.3 33.2 35.1 41.5 57.9 60.9 52.9 32.1 40.9 32.7 10.13410.329 09-11 S D 9.928 8.985 8.323 9.433 8.729 7.281 9.55010.170 9.834 9.413 13.961 TOTAL OBS 2366 2543 2896 2888 2979 2884 2940 3035 2893 2984 2855 2915 34678 31.7 31.2 31.1 10.54110.89210.165 MEAN 32.0 34.4 40.7 56.8 59.5 51.6 42.8 34.5 32.0 40.0 7.522 S D 8.949 8.442 9.461 8.335 9.655 9.964 9.960 9.809 13.891 12-14 TOTAL OB 2878 2566 2894 2997 2876 \_2912 2976 2879 2944 3022 2894 2918 34756 MEAN 33.3 42.4 31.3 30.5 30.1 31.1 39.7 55.7 58.1 50.4 34.7 32.1 39.3 8.984 8.377 9.483 15-17 5 D 10.55411.14410.131 9.684 8.153 7.886 9.679 9.750 9.780 13.690 TOTAL OBS 2795 2485 2823 2810 2888 2803 2844 2926 2791 2901 2784 2805 33655 33.0 32.6 32.3 33.1 34.8 41.3 56.6 58.9 52.0 44.2 35.9 41.0 18-20 TOTAL OBS 9.609 8.908 8.435 9.024 7.592 7.571 9.262 9.728 9.458 10.21110.854 8.981 13.284 2572 2659 2743 2599 2402 2526 \_2226 2538 2667 2594 2641 2516 <u> 30683</u> MEAN 33.0 33.5 59.9 33.0 34.6 40.8 57.5 51.7 43.5 34.4 41.0 31.5 9.684 9.014 SD 10.22510.603 8.710 9.476 8.242 8.058 9.752 9.54710.531 9.921 13.829 21-23 TOTAL OBS 2253 26530 1810 2149 2188 2331 2376 2415 2427 2257 2090 2101 2113 31.4 31.7 31.9 32.6 34.1 40.2 10.33610.568 9.840 9.007 8.661 9.750 MEAN 57.2 8.729 51.7 42.8 34.1 60.0 31.4 40.2 7.834 14.028 5 D 9.740 9.91610.141 9.794 HOURS 19945 19926 17567 20042 20146 21053 20526 20965 21399 20329 20765 19880

USAFETAC FORM 0-89-5 (OL1)

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#### **RELATIVE HUMIDITY**

WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME 23104 STATION

**(** 

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	(L S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
ИАЦ	ALL	99.9	94.4	82.6	68.1	53.8	40.0	27.3	16.5	7.6	54.5	19926
FEB		99.4	88.6	74.2	58.8	44.6	31.5	19.9	10.9	3.4	48.6	17507
MAR		98.1	81.3	62.7	45.6	31.2	20.2	12.2	6.1	1.6	41.4	20031
APR		96.8	68.3	42.1	23.1	12.4	6.8	4.1	1.8	.4	31.0	20146
МАУ		92.6	51.6	22.2	8.3	3.6	1.9	1.1	.5	.1	23.5	21053
JUN		93.0	48.6	17.1	5.3	2.2	1.2	.7	.3	.1	22.1	20526
JUL		99.3	83.6	55.4	32.3	17.9	9.5	5.1	2.1	.4	36.7	20962
AUG		99.8	91.5	70.9	47.7	28.9	16.0	8.8	4.1	٠,9	42.4	21398
SEP		99.2	83.7	58.5	34.9	19.6	10.6	6.0	3.1	.7	37.1	20329
σсτ		99.3	85.0	62.9	40.1	24.1	14.7	8.6	4.5	1,1	39.5	20768
NOV	<u> </u>	99.3	88.7	70.5	51.5	35.4	24.0	15.3	8.1	2.6	45.1	19879
DEC .		99.7	93.9	81.1	65.0	49.1	34.4	22.9	12.8	4.4	51.9	19944
10	TALS	98.0	79.9	58.4	40.1	26.9	17.6	11.0	5.9	1.9	39.4	242529

USAFETAC 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

43-74

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CÙMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN	_		MEAN RELATIVE	TOTAL NO OF
HINOM	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
HAL	00-02	100.0	99,4	96.4	86.7	74.3	59.2	42.3	27.6	15.4	65.7	1888
	03-05	100.0	99.5	97.3	89.7	77.8	63.4	46.2	31.2	16.3	67.8	2174
	06-08	100.0	99.8	97.9	91.0	79.8	66.3	48.6	29.5	13.3	68.2	2698
	09-11	99.9	97.3	86.7	68.3	50.6	34.0	21.1	10.3	3.1	52.7	2866
	12-14	99.6	85.6	58.8	36.4	21.7	11.6	6.1	3.0	1.3	37.9	2878
	15-17	99.6	79.2	49.9	29.5	16.8	9.9	5.7	3.0	1.1	34.8	2795
	18-20	100.0	95.5	80.4	62.0	43.4	26.7	15.7	8.2	2.8	48.8	2526
	21-23	100.0	99.0	93.4	80.8	66.0	48.9	32.9	19.3	7.4	60.2	2101
 				<del> </del>								
10	TALS	99.9	94.4	82.6	68.1	53.8	40.0	27.3	16.5	7.6	54.5	19926

USAFETAC FORM 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

WILLIAMS AFB ARIZONA/CHANDLEP

STATION NAME 23104 STATION

43-74

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#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
FEB	00-02	100.0	98.4	93.6	83.0	69.0	50.4	31.6	18.7	6.3	60.6	1648
	03-05	100.0	98.0	94.9	84.8	72.3	56.1	38.1	23.5	8.2	63.2	1908
	06-08	100.0	99.4	95.2	85.0	71.8	56.0	38.2	21.5	6.0	62.9	2381
	09-11	99.8	92.7	75.3	56.3	36.9	23.1	12.4	4.5	3.	45.7	2543
	12-14	98.2	73.0	45.6	25.6	14.0	7.9	3.9	1.8	.7	32.5	2566
	15-17	97.4	64.0	36.1	20.7	12.7	7.2	4.6	2.2	•6	29.9	2485
	18-20	99.6	85.8	66.4	42.7	26.9	15.8	9.3	4.4	1.3	40.7	2226
	21-23	100.0	96.3	86.6	72.0	53.0	35.1	20.7	10.9	3.4	53.5	1810
	<b></b>		•.									
<del></del>				-								
TO	TALS	99.4	88.6	74.2	58.8	44.6	31.5	19.9	10.9	3.4	48.6	1756

USAFETAC 0-87-5 (OL A)

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#### **RELATIVE HUMIDITY**

23104 STATION WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME

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PERIOD

MAR

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE** (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PERCENTAG	E FREQUENC	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
MAR	00-02	99.6	96.7	87.6	71.0	48.6	30.5	19.2	10.6	2.5	52.2	1861
	03-05	100.0	98.0	90.1	76.2	59.0	40.4	24.8	13.2	4.1	56.1	2159
	06-08	100.0	98.0	88.6	73.3	58.4	40.5	24.9	12.6	3.3	55.5	2704
	09-11	99.1	80.9	57.1	38.3	22.4	12.9	7.0	2.3	.7	37.6	2896
	12-14	95.1	59.4	33.0	16.8	8.5	5.2	2.5	1.4	.3	27.6	2907
	15-17	92.3	50.5	24.9	12.2	7.3	4.5	2.7	1.2	•2	25.0	2817
	18-20	\$8.5	74.7	46.5	25.7	14.1	8.5	5.2	2.5	•5	33.0	2538
	21-23	99.8	92.5	73.4	51.6	31.2	19.0	11.4	5.1	1.2	43.9	2149
	<u> </u>	<del> </del>										
						-		<u> </u>		***************************************		
	TALS	98.1	81.3	62.7	45.6	31.2	20.2	12.2	6.1	1.6	41.4	20031

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0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

WILLIAMS AFB ARIZUNA/CHANDLER
STATION NAME 23104 STATION

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#### **CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE** (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			MEAN RELATIVE	TOTAL							
MONIH	(L S T.)	10%	26%	30%		50%	60%	70%	80%	90%	HUMIDITY	NO OF OBS.
APR	00-02	99.6	93.3	67.5	39.4	20.9	12.1	7.3	3.8	.9	39.9	1900
	03-05	99.8	95.5	76.9	49.6	28.3	15.0	9.7	4.0	1.0	43.6	2182
	36-08	99.9	94.3	70.5	42.1	22.4	11.8	6.7	2.5	•6	40.7	2712
	09-11	97.8	61.4	29.1	13.3	5.8	2.9	1.5	.8	.3	26.8	2888
	12-14	92.3	37.3	13.6	5.3	3.0	1.5	.9	•3	•1	20.5	2894
	15-17	88,0	30.1	9.9	4.3	2.5	1.6	1.0	•5		18.8	2810
· · · · · · · · · · · · · · · · · · ·	18-20	97.4	52.8	23.2	9.3	4.7	3.0	1.7	.7	•2	24.5	2572
	21-23	99.9	81.6	46.0	21.7	11.5	6.8	4.3	1.8	.4	32.9	2188
				<del> </del>	<del> </del>							
10	TALS	96.8	68.3	42.1	23.1	12.4	6.8	4.1	1.8	.4	31.0	20146

USAFETAC 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

PERIOD

MAY

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
HTMOM	(t S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
MAY	00-02	99.9	78.7	38.8	14.2	6.7	3.5	2.1	.8	•1	30.0	2067
	03-05	100.0	87.3	51.9	21.7	9.4	5.3	2.6	1.5	•3	33.4	2315
	06-08	99.8	80.0	38.8	16.0	6.7	3.2	1.6	.7	•2	30.3	2810
	09-11	95.4	39.4	11.9	3.6	1.0	•5_	•3	•1	•1	20.4	2979
	12-14	82.0	20.3	3.9	1.2	•7	,4	.3	•1	•1	16.2	2976
	15-17	74.3	13.9	2.0	.8	•5	.3	•2	•1	•1	14.5	2888
	18-20	90.1	31.5	7.7	2.2	1.1	.7	• 5	.3	.1	18.6	25.57
	21-23	98.9	61.6	21.8	6.3	2.8	1.5	.9	•5	.0	24.9	2351
	1	<del> </del>		<del> </del>								
10	TALS	92.6	51.6	22.2	8.3	3.6	1.9	1.1	•5	.1	23.5	21053

USAFETAC FORM 0-97-5 (OL A)

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#### **RELATIVE HUMIDITY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

JUN

PERIOD

HINOM

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN		MEAN RELATIVE		TOTAL NO OF
HINOM	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OS.
JUN	00-02	99.7	76.0	27.2	8.2	3.5	2.1	1.3	•9	•1	27.3	2017
	03-05	100.0	86.8	41.0	12.6	5.0	3.0	1.9	.8	•2	30.6	2252
	06-08	99.6	76.4	30.2	9.8	3.9	2.1	1.1	.4	•0	27.9	2721
	09-11	75.4	37.1	9.5	2.9	1.0	•2	•1			20.0	2884
	12-14	93.6	18.1	4.1	1.5	.3	.1	.1			15.8	2879
	15-17	75.6	11.2	2.8	1.0	.6	.4	•2	•0		14.1	2803
	18-20	91.2	26.0	5.5	2.0	1.0	•6	.3	•1		17.7	2594
	21-23	99.2	57.4	16.1	4.7	2.1	1.4	.8	.4	.1	23.7	2376
	-										-	
	<del> </del>	-									<del>                                     </del>	
TC	OTALS	93.0	48.6	17.1	5.3	2.2	1.2	•7	•3	•1	22.1	20526

USAFETAC NOL 0-87-5 (OL A)

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#### RELATIVE HUMIDITY

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

JUL

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#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER ITAIN			MEAN	TOTAL NO OF
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	OBS.
JUL	00-02	100.0	95.9	74.8	48.3	28.5	16,5	9.2	3.6	•7	43.3	2075
	03-05	100.0	98.2	85.8	62.5	40.0	21.5	12.8	5.5	. 8	48.2	2303
	06-08	100.0	96.5	80.7	58.7	33.6	16.8	8.8	3.3	.4	45.4	2784
	09-11	79.6	62.5	57.2	26.5	11.0	4.3	1.7	. 5	.1	33.9	2940
	12-14	98.5	70.7	32.0	10.0	3.4	1.7	. 8	•3	1_	27.1	2943
	15-17	97.1	58.8	19.1	6.9	3.2	1.7	.9	.3	• 1	24.2	2843
·	18-20	99.4	72.9	33.0	13.7	7.1	3.7	1.5	.7	•2	28.7	2659
	21-23	100.0	91.8	60.1	31.8	16.5	9.7	5.3	2.4	•5	37.4	2415
·	-											
TC	OTALS	99.3	83.6	55.4	32.3	17.9	9.5	5.1	2.1	.4	36.0	20962

USAFETAC 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
монтн	(L S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
AUG	00-02	100.0	99,4	92.1	71.7	46.2	26.6	15.4	7.4	1.7	51.7	2058
	03-05	100.0	99.9	95.7	83.7	60.7	35.2	21.2	10.4	2.3	56.5	2326
	06-08	100.0	99.9	94.7	78.5	54.4	31.2	17.4	7.5	1.1	54.0	2862
	09-11	100.0	94.2	73.0	42.3	20.4	8.9	3.4	1.5	.5	40.0	3035
	12-14	99.7	82.6	48.1	18.2	5.7	2.5	1.2	.6	•1	31.4	3022
	15-17	98.9	73.5	33.5	11.8	4.0	2.4	1.0	.5	• 2	28.2	2926
	18-20	100.0	85.7	52.2	24.6	12.9	6.0	2.9	1.2	.3	34.2	2743
	21-23	100.0	96.7	78.2	50.4	27.2	14.9	8.2	3 . 7	•7	43.5	2426
							,	<u> </u>				
TC	DTALS	99.8	91.5	70.9	47.7	28.9	16.0	8.8	4.1	.9	42.4	21398

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WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTMOM	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONIA	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
SEP	00-02	100.0	98.1	84.2	53.6	30.5	16.9	9.5	5.3	1.3	45.5	1971
	03-05	100.0	99.2	89.7	65.2	39.6	22.7	13.0	7.1	1.8	49.2	2221
	06-08	100.0	98.4	85.9	59.8	36.7	20.7	11.0	5.2	1.2	47.3	2703
	09-11	99.5	84.0	51.4	26.2	12.5	5.2	2.6	•9	.3	33.8	2893
	12-14	97.5	62.9	27.7	11.4	5.0	2.1	1.0	• 5	.1	26.3	2894
	15-17	97.1	52.0	20.3	8.7	4.5	2.4	1.6	•6	.1	24.1	2791
**************************************	18-20	99.8	80.8	42.3	18.5	9.5	5.3	3.2	1.5	.3	31.5	2599
······································	21-23	99.7	93.8	66.2	35.5	18.3	9.4	5.9	3.5	.7	38.8	2257
							<del> </del>					
TC	TALS	99.2	83.7	58.5	34.9	19.6	10.6	6.0	3.1	.7	37.1	20329

USAFETAC FORM 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

********	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO. OF
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OB\$.
UCT	00-02	99.9	98.5	88.5	60.3	36.0	22.1	13.4	7.1	1.7	48.3	1952
	03-05	100.0	99.3	89.9	67.3	43.1	27.6	16.8	9.8	3.3	51.3	2243
·	06-08	100.0	98.5	87.4	64.2	42.0	26.8	16.3	9.1	2.6	50.2	2797
	09-11	99.5	82.9	51.4	28.7	16.2	9.5	5.1	1.9	.4	35.1	2984
	12-14	97.5	60.8	28.3	13.8	6.7	3.6	1.7	.7	•1	26.8	2997
	15-17	97.9	56.0	24.1	11.2	6.1	3.2	2.0	1.1	.1	25.6	2901
	18-20	99.9	87.7	54.9	28.5	14.8	8.2	3.9	1.8	.2	35.5	2641
	21-23	99.9	96.0	78.5	46.4	27.8	16.9	9.6	4.2	.6	43.4	2253
TC	TALS	99.3	85.0	62.9	40.1	24.1	14.7	8.6	4,5	1.1	39.5	20768

USAFETAC FORM 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23104 STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIV	E KUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO OF OBS.
NOV	00-02	99.9	97.6	87.2	71.2	51.5	36.5	24.3	13.2	5.4	54.2	1886
	03-05	99.9	99.0	91.3	75.2	55.7	41.4	29.3	16.0	6.0	57.1	2162
	06-08	99.9	99.2	91.4	74.6	56.7	42.6	29.3	16.9	4.8	57.2	2688
	09-11	99.6	88.3	63.9	43.7	28.9	17.1	8.6	3.7	.7	41.0	2855
	12-14	97.7	68.1	38.7	20.5	10.2	5.7	2.9	1.5	•5	30.0	2875
•	15-17	97.4	68.1	36.9	17.1	8.9	5.1	3.2	1.8	.4	29.3	2784
	18-20	99.8	92.7	70.9	45.3	25.5	14.7	7.8	3.6	1.2	41.7	2516
	21-23	99.8	96.4	83.3	64.6	44.9	28.5	16.9	7.7	1.9	50.1	2113
					<u> </u>					-		
τo	TALS	99.3	88.7	70.5	51.5	35.4	24.0	15.3	9.1	2.6	45.1	19872

ا ها ۱۹۶۱ با الرام کرد. در در المحد در میکنده از از از بین با میکند و بین از کار در در در در در در در در در در بید در میکند میکند میکند در میکند میکنده از از میکند میکند و در در این از این از این از در در در در در در در د

USAFETAC 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

DEC

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	<u></u>		MEAN	TOTAL
нтиом	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
DEC	00-02	100.0	99.0	93.8	81.0	64.7	47.2	32.3	19.8	7.7	60.3	1952
	03-05	100.0	99.6	96.4	86.0	71.7	53.6	38.4	23.4	9.2	63.4	2176
	06-08	100.0	99.8	96.9	89.4	76.1	60.6	43.0	24.9	8.7	65.5	2686
	09-11	99.9	96.3	83.0	64.1	46.2	30.7	17.7	7.4	1.9	50.2	2914
	12-14	98.9	82.0	54.6	33.4	19.3	9.7	4.8	2.2	.8	36.2	2919
	15-17	98.8	79.7	49.7	29.9	17.0	9.0	5.7	2.9	1.1	35.0	2805
	18-20	100.0	96.5	82.6	60.1	40.0	25.0	15.1	5.7	2.0	48.3	2402
	21-23	100.0	98.4	91.5	76.1	57.5	39.5	26.4	15.0	3.9	56.5	2090
								-	<del>                                     </del>			
TC	OTALS	99.7	93.9	31.1	65.0	49.1	34.4	22.9	12.8	4.4	51.9	19944

USAFETAC FORM 0-87-5 (OL A)

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#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

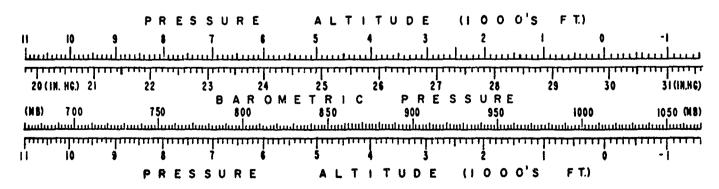
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23104	WILLIAMS AFB ARIZONA/CHANDLER	46-63,65-74
STATION	STATION NAME	YEARS

HRS (LST		JAN.	FEB	MAR	APR	MAY	אענ	JUL.	AUG	SEP	OCT.	NOV	DEC	ANNUAL
	MEAN	28.618	28.585	28.522	28.469	28.427	28.384	28.432	28.462	28.419	28.491	28.584	28.623	28,499
00	SD	.145												.166
	TOTAL OBS	474	412	440	458	510	490	502	541					5817
			<u> </u>							<u> </u> ,	<u> </u>	<u> </u>		
	MEAN	28.612	28.572	28.503	28.456	28.414	28.380	28.434	28.443	28.420	28.482	28,573	28.602	28.489
03	SD	.133												.127
	TOTAL OBS	660	580	627	640	666	655	662	712	673	690	655	647	7867
								ļ		ļ		<del> </del>		
	MEAN												28.690	28.604
06	S D	.309												.293
	TOTAL OBS	758	663	725	728	764	734	750	809	759	791	757	758	8996
				- 4 6 11				-		<del></del>				11. A. A. C. T.
	MEAN S D												28.754	28.639
09	1 1	.345												.338
	TOTAL OBS	802	714	781	779	807	781	799	860	815	853	804	824	9626
	MEAN	20 705	20 674	20 621	20 540	20 504	70 460	20 515	20 824	20 514	20 462	50 461	20 404	29 593
• •	S D.												28.684	28,583
12	TOTAL OBS	.358 806												•348 9634
L		000	113	1.9.3	/.04		119		052	-010	022	019	024	70.34
	MEAN	28.696	28 654	28.503	28 523	23.460	20 411	28 445	28 485	28 470	28.540	28 642	28.682	28.552
15	5 D	-352												
	TOTAL OBS	748	,											8961
								1.49			1	1	1	9.50
	MEAN	28.691	28.545	28.575	28.499	28.440	28.385	28.441	28.483	28.455	28.538	28.641	28.664	28.534
18	S. D	.321	1											.316
	TOTAL OBS	668												8091
														·
	MEAN	28.703	28.645	28.602	28.545	28.480	28.445	28.485	28.520	28.487	28.570	28.658	28.652	28.562
21	5 D.	.308	.286	.312	.310	.287	.291	.267	.287	.291	.309	.288	.232	.301
	TOTAL OBS	518	444	501	518	575	583	586	619	575	560	525	517	6521
							<u> </u>	<del> </del>	<del> </del>	<u> </u>	<del> </del>	<u> </u>	ļ	
All	MEAN												28.676	28,563
HOURS	S D	.308											,	.303
L	TOTAL OBS	5441	4784	5246	5299	5571	5415	5534	5959	5620	5755	5453	5432	65513

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#### MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-61,63-71

STATION STATION NAME YEARS

HRS (LST	li l	JAN	FEB	MAR	APR.	MAY	JUN	JAF	AUG.	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	1017.8	1016.2	1013.5	1011.0	1008.8	1007.0	1008.8	1009.4	1008.9	1011.9	1015.9	1017.9	1012.1
00	SD	4.870	4.826	4.127	3.536	2.735	2.508	2.508	2.220	2.618	3.458	4.204	4.706	5.194
	TOTAL OBS	62R	553	589	600	682	660	681	682	656	650	629	650.	7660
	MEAN S D												1017.7	
03	TOTAL OBS												4.889	4.998
	TOTAL UBS	749	664	717	709	785	767	786	793	777	779	745	741	9012
	MEAN	1010 1	1017 5	1015 0	1013 0	1010 0	1000 2	1011 0	1011 2	1010 0	1012 8	1017 5	1019.0	1013.9
06	S D												5.023	
00	TOTAL OBS	774						811						
	MEAN	1019.8	1018.0	1015.3	1012.9	1010.6	1008.9	1010.7	1011.1	1010.7	1013.6	1017.5	1019.4	1014.0
09	5 D	4.724	4.724	4.280	3.573	2.895	2.572	2.284	2.156	2.634	3.597	4.150	4.960	5.172
	TOTAL OBS	793	703	765	750	829	809	824	834	824	831	796	821	9579
										ļ				
• •	MEAN S. D												1016.6	1011.7
12	TOTAL OBS	792								2.099 			4.763	4.922
						-026	auo	528	8-36	- R25	8.59	/43	822	4583
	MEAN	1016.6	1014.6	1011.9	1009-4	1007-0	1005.2	1006.6	1007.1	1007-1	1010-4	1014.4	1016.4	1010.5
15	5 D												4.673	5.333
	TOTAL OBS	748		722		791	767	790	790	776		753		9048
								ļ	ļ <i>-</i>		<u> </u>	ļ		<b></b>
	MEAN	1017.6	1015.4	1012.6	1009.8	1007.2	1005.3	1007.0	1007.7	1007.7	1011.3	1015.5	1017.6	1011.1
13	S. D.												4.654	5.561
	10121 083	718	631	687	692	769	761	771	781	764	768	722	719	8782
	MEAN	1019 0	1016 1	1013 4	1010 9	1008 6	1006 8	1002 6	1000 2	1008 6	1011 0	1016.0	1018 1	1012.0
21	5 D												4.690	
2.1	TOTAL OBS	629	-		613					675				7820
ALL	MEAN												1017.8	1012.3
HOURS	S. D	4.861	4.856	4.346	3.799	3.169	2.931	2.830	2.631	2.972	3.749	4.262	4.902	
	TOTAL OBS	<u> </u>	5158	5590	5553	6197	6055	6202	6234	6098	6109	5851	5958	70836

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